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<120> PANCREATIC POLYPEPTIDE FAMILY MOTIFS, POLYPEPTIDES AND METHODS COMPRISING THE SAME

<130> 0406-PCT2-0

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<150> PCT/US2005/004351
<151> 2005-02-11

<150> 11/055,098
<151> 2005-02-11

<150> 60/635,897
<151> 2004-12-13

<160> 482

<170> PatentIn version 3.3

<210> 1
<211> 36
<212> PRT
<213> Homo sapiens

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

Met Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Pro Arg Tyr
35

<210> 2
<211> 36
<212> PRT
<213> Homo sapiens

<400> 2
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 3

<211> 34
<212> PRT
<213> Homo sapiens

<400> 3
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 4
<211> 36
<212> PRT
<213> Homo sapiens

<400> 4
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 5
<211> 36
<212> PRT
<213> Homo sapiens

<220>
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<222> (32)
<223> Aib

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

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ala Xaa
20 25 30

Arg Gln Arg Tyr
35

<210> 6
<211> 36
<212> PRT
<213> Homo sapiens

<400> 6
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 7
<211> 36
<212> PRT
<213> Raja rhina

<400> 7
Tyr Pro Pro Lys Pro Glu Ser Pro Gly Glu Asn Ala Thr Pro Glu Glu
1 5 10 15

Leu Ala Lys Tyr Ile Ser Ala Asp Arg His Tyr Ile Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 8
<211> 34
<212> PRT
<213> Raja rhina

<400> 8
Pro Lys Pro Glu Ser Pro Gly Glu Asn Ala Thr Pro Glu Glu Leu Ala
1 5 10 15

Lys Tyr Ile Ser Ala Asp Arg His Tyr Ile Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 9
<211> 36
<212> PRT
<213> Danio rerio

<400> 9
Ala Pro Pro Lys Pro Glu His Pro Gly Asp Asp Ala Pro Ala Glu Asp
1 5 10 15

Val Ala Lys Tyr Tyr Thr Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 10
<211> 34
<212> PRT
<213> Danio rerio

<400> 10
Pro Lys Pro Glu His Pro Gly Asp Asp Ala Pro Ala Glu Asp Val Ala
1 5 10 15

Lys Tyr Tyr Thr Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 11
<211> 34
<212> PRT
<213> Raja rhina

<400> 11
Pro Lys Pro Glu Asn Pro Gly Glu Asp Ala Pro Pro Glu Glu Leu Ala
1 5 10 15

Lys Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 12
<211> 37
<212> PRT
<213> Gallus gallus

<400> 12
Ala Tyr Pro Pro Lys Pro Glu Ser Pro Gly Asp Ala Ala Ser Pro Glu
1 5 10 15

Glu Ile Ala Gln Tyr Phe Ser Ala Leu Arg His Tyr Ile Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 13
<211> 36
<212> PRT
<213> Rana ridibunda

<400> 13
Met Pro Pro Lys Pro Asp Asn Pro Ser Ser Asp Ala Ser Pro Glu Glu
1 5 10 15

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

Arg Gln Arg Tyr
35

<210> 14
<211> 34
<212> PRT
<213> Rana ridibunda

<400> 14
Pro Lys Pro Asp Asn Pro Ser Ser Asp Ala Ser Pro Glu Glu Leu Ser
1 5 10 15

Lys Tyr Met Leu Ala Val Arg Asn Tyr Ile Asn Leu Ile Thr Arg Gln

20 25 30

Arg Tyr

<210> 15
<211> 34
<212> PRT
<213> Ichthyomyzon gagei

<400> 15
Pro Lys Pro Asp Asn Pro Gly Asp Asn Ala Ser Pro Glu Gln Met Ala
1 5 10 15

Arg Tyr Lys Ala Ala Val Arg His Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 16
<211> 34
<212> PRT
<213> Raja rhina

<400> 16
Pro Lys Pro Glu Asn Pro Gly Asp Asn Ala Ser Pro Glu Glu Met Ala
1 5 10 15

Lys Tyr Phe Ser Ala Leu Arg His Tyr Ile Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 17
<211> 34
<212> PRT
<213> Rana ridibunda

<400> 17
Thr Lys Pro Glu Asn Pro Gly Asn Asp Ala Ser Pro Gln Glu Met Ala
1 5 10 15

Lys Tyr Met Thr Ala Leu Arg His Tyr Val Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 18
<211> 36
<212> PRT
<213> Rana ridibunda

<400> 18
Tyr Pro Pro Lys Pro Glu Asn Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Met Thr Lys Tyr Leu Thr Ala Leu Arg His Tyr Ile Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 19
<211> 34
<212> PRT
<213> Rana ridibunda

<400> 19
Pro Lys Pro Glu Asn Pro Gly Glu Asp Ala Ser Pro Glu Glu Met Thr
1 5 10 15

Lys Tyr Leu Thr Ala Leu Arg His Tyr Ile Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 20
<211> 34
<212> PRT
<213> Danio rerio

<400> 20
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Lys Tyr Tyr Thr Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 21
<211> 34
<212> PRT
<213> Amia calva

<400> 21
Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala
1 5 10 15

Lys Tyr Tyr Thr Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 22
<211> 34
<212> PRT
<213> Homo sapiens

<400> 22
Pro Lys Pro Glu His Pro Gly Asp Asp Ala Pro Ala Glu Asp Val Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 23
<211> 34
<212> PRT
<213> Ovis Aries

<400> 23
Pro Lys Pro Glu His Pro Gly Asp Asp Ala Pro Ala Glu Asp Val Asn
1 5 10 15

Arg Tyr Tyr Ala Ala Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 24
<211> 34
<212> PRT
<213> Ovis Aries

<400> 24
Pro Lys Pro Glu His Pro Gly Asp Asp Ala Pro Ala Glu Asp Val Ala
1 5 10 15

Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Gln
20 25 30

Arg Tyr

<210> 25
<211> 33
<212> PRT
<213> Ovis Aries

<400> 25
Ile Pro Glu His Pro Gly Asp Asp Ala Pro Ala Glu Asp Val Ala Arg
1 5 10 15

Tyr Tyr Ser Ala Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln Arg
20 25 30

Tyr

<210> 26
<211> 34
<212> PRT
<213> Ovis Aries

<400> 26
Pro Lys Pro Glu His Pro Gly Asp Asp Ala Pro Ala Glu Asp Val Ala
1 5 10 15

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

Arg Tyr

<210> 27
<211> 34
<212> PRT
<213> Ovis Aries

<400> 27
Pro Lys Pro Glu His Pro Gly Asp Asp Ala Pro Ala Glu Asp Val Ala
1 5 10 15

Arg Tyr Tyr Ser Ala Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 28
<211> 36
<212> PRT
<213> Raja rhina

<400> 28
Tyr Pro Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Lys Tyr Tyr Ala Ala Leu Arg His Tyr Ile Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 29
<211> 34
<212> PRT
<213> Rana ridibunda

<400> 29
Ala Lys Pro Glu Asn Pro Gly Asp Asn Ala Pro Ala Glu Gln Met Ala
1 5 10 15

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

Arg Tyr

<210> 30
<211> 36
<212> PRT
<213> Artificial Sequence

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

peptide construct

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<222> (1)
<223> Tyr, Ala, Phe, Trp, or absent

<220>
<221> MOD_RES
<222> (2)
<223> Pro, Gly, d-Ala, homoPro, hydroxyPro, or absent

<220>
<221> MOD_RES
<222> (3)
<223> Ile, Ala, NorVal, Val, Leu, Pro, Ser, Thr,
or absent

<220>
<221> MOD_RES
<222> (4)
<223> Lys, Ala, Gly, Arg, d-Ala, homoLys, homo-Arg, Glu
Asp, or absent

<220>
<221> MOD_RES
<222> (6)
<223> Glu, Ala, Val, Asp, Asn, or Gln

<220>
<221> MOD_RES
<222> (7)
<223> Ala, Asn, His, Ser, or Tyr

<220>
<221> MOD_RES
<222> (9)
<223> Gly, Ala, Ser, Sarcosine, Pro, or Aib

<220>
<221> MOD_RES
<222> (10)
<223> Glu, Ala, Asp, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (11)
<223> Asp, Ala, Glu, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (12)
<223> Ala or d-Ala

<220>
<221> MOD_RES
<222> (13)
<223> Ser, Ala, Thr, Pro, or homoSer

<220>
<221> MOD_RES
<222> (14)
<223> Pro, Ala, homoPro, hydroxyPro, Aib, or Gly

<220>
<221> MOD_RES
<222> (15)
<223> Glu, Ala, Asp, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES

<222> (16)
<223> Glu, Ala, Asp, Asn, or Gln

<220>
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<222> (17)
<223> Leu, Ala, Met, Trp, Ile, Val, or NorVal

<220>
<221> MOD_RES
<222> (18)
<223> Asn, Asp, Ala, Glu, Gln, Ser, or Thr

<220>
<221> MOD_RES
<222> (19)
<223> Arg, Tyr, Lys, Ala, Gln, or N(Me)Ala

<220>
<221> MOD_RES
<222> (21)
<223> Tyr, Ala, Met, Phe, or Leu

<220>
<221> MOD_RES
<222> (22)
<223> Ala, Ser, Thr, or d-Ala

<220>
<221> MOD_RES
<222> (23)
<223> Ser, Ala, Asp, Thr, or homoSer

<220>
<221> MOD_RES
<222> (25)
<223> Arg, homoArg, Lys, homoLys, Orn, or Cit

<220>
<221> MOD_RES
<222> (26)
<223> His, Ala, Arg, homoArg, homoLys, Orn, or Cit

<220>
<221> MOD_RES
<222> (27)
<223> Tyr or Phe

<220>
<221> MOD_RES
<222> (28)
<223> Leu, Ile, Val, or Ala

<220>
<221> MOD_RES
<222> (29)
<223> Asn or Gln

<220>
<221> MOD_RES
<222> (30)
<223> Leu, Ala, NorVal, Val, Ile, or Met

<220>
<221> MOD_RES
<222> (31)
<223> Ala, Val, Ile, or Leu

<220>
<221> MOD_RES
<222> (36)

<223> Tyr, N(Me)Tyr, His, Trp, or Phe

<400> 30
Xaa Xaa Xaa Xaa Pro Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Tyr Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Thr
20 25 30

Arg Gln Arg Xaa
35

<210> 31
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (4)
<223> homo-Lys

<400> 31
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 32
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 32
Tyr Pro Ile Lys Pro Ala Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 33
<211> 36
<212> PRT
<213> Artificial Sequence

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

peptide construct

<400> 33
Tyr Pro Ile Lys Pro Glu Ala Pro Ala Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 34
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 34
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Ala Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 35
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 35
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Ala Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

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

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

<400> 36
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ala Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 37
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 37
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 38
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 38
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Ala Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 39
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 39
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Ala
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 40
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 40
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Ala Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 41
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 41
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 42
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 42
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Lys Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 43
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 43
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Ala Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 44
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 44
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ala Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 45
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 45
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 46
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 46
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Ala Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 47
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 47
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 48
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 48
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 49
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 49

Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 50
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 50
Ala Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 51
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 51
Phe Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 52
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> d-Ala

<400> 52

Tyr Ala Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 53
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 53
Tyr Gly Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 54
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 54
Ala Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 55
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 55
Tyr Ala Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val

20 25 30

Thr Arg Gln Arg Tyr
35

<210> 56
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 56
Tyr Pro Ala Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 57
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 57
Tyr Pro Ile Ala Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 58
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 58
Tyr Pro Ile Lys Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 59
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 59
Tyr Pro Ile Lys Pro Ala Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 60
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 60
Tyr Pro Ile Lys Pro Glu Ala Ala Pro Gly Glu Asp Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 61
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 61
Tyr Pro Ile Lys Pro Glu Ala Pro Ala Gly Glu Asp Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 62
<211> 37
<212> PRT

<213> Artificial Sequence

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

<400> 62
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Ala Glu Asp Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 63
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 63
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Ala Asp Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 64
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 64
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ala Ser Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 65
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 65
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Pro Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 66
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 66
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Ala Glu
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 67
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 67
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Ala
1 5 10 15

Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 68
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 68
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Ala Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 69
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 69
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 70
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 70
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Ala Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 71
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 71
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Ala Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 72
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 72
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Ala Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

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

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

<400> 73
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ala Ser Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 74
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 74
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Ala Leu Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 75

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

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

<400> 75
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Ala Arg His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 76
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 76
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg Ala His Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 77
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 77
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Ala Tyr Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 78
<211> 37
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide construct

<400> 78
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Ala Leu Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 79
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 79
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Ala Asn Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 80
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 80
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Ala Leu Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 81
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 81
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu

1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Ala Val
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 82
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 82
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Ala
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 83
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 83
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Ala Arg Gln Arg Tyr
35

<210> 84
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 84
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Ala Gln Arg Tyr
35

<210> 85
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 85
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Ala Arg Tyr
35

<210> 86
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 86
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Ala Tyr
35

<210> 87
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 87
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr Ala
35

<210> 88
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Tyr, Ala, Phe, Trp, or absent

<220>
<221> MOD_RES
<222> (2)
<223> Pro, Gly, d-Ala, homoPro, hydroxy-Pro, or absent

<220>
<221> MOD_RES
<222> (3)
<223> Ile, Ala, NorVal, Val, Leu, Pro, Ser, or Thr

<220>
<221> MOD_RES
<222> (4)
<223> Lys, Ala, Gly, Arg, d-Ala, homoLys, homoArg, Glu, or Asp

<220>
<221> MOD_RES
<222> (6)
<223> Glu, Ala, Val, Asp, Asn, or Gln

<220>
<221> MOD_RES
<222> (7)
<223> Ala, Asn, His, Ser, or Tyr

<220>
<221> MOD_RES
<222> (9)
<223> Gly, Ala, Ser, Sarcosine, Pro, or Aib

<220>
<221> MOD_RES
<222> (10)
<223> Glu, Ala, Asp, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (11)
<223> Asp, Ala, Glu, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (12)
<223> Ala or d-Ala

<220>
<221> MOD_RES
<222> (13)
<223> Ser, Ala, Thr, or homoSer

<220>
<221> MOD_RES
<222> (14)
<223> Pro, Ala, homoPro, hydroxyPro, Aib, or Gly

<220>
<221> MOD_RES
<222> (15)
<223> Glu, Ala, Asp, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (16)
<223> Glu, Ala, Asp, Asn, or Gln

<220>
<221> MOD_RES
<222> (17)
<223> Leu, Ala, Met, Trp, Ile, Val, or NorVal

<220>
<221> MOD_RES
<222> (18)
<223> Asn, Asp, Ala, Glu, Gln, Ser, or Thr

<220>
<221> MOD_RES
<222> (19)
<223> Arg, Tyr, Lys, Ala, Gln, or N(Me)Ala

<220>
<221> MOD_RES
<222> (21)
<223> Tyr, Ala, Met, Phe, or Leu

<220>
<221> MOD_RES
<222> (22)
<223> Ala, Ser, Thr, or d-Ala

<220>
<221> MOD_RES
<222> (23)
<223> Ser, Ala, Thr, or homoSer

<220>
<221> MOD_RES
<222> (26)
<223> His or Ala

<220>
<221> MOD_RES
<222> (28)
<223> Leu, Ile, Val, or Ala

<220>
<221> MOD_RES
<222> (30)
<223> Leu, Ala, NorVal, Val, Ile, or Met

<220>
<221> MOD_RES
<222> (31)
<223> Ala, Val, Ile, or Leu

<220>
<221> MOD_RES
<222> (36)
<223> Tyr, N(Me)Tyr, His, Trp, or Phe

<400> 88
Xaa Xaa Xaa Xaa Pro Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Tyr Xaa Xaa Xaa Leu Arg Xaa Tyr Xaa Asn Xaa Xaa Thr

20 25 30

Arg Gln Arg Xaa
35

<210> 89
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 90
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 90
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 91
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 91
Ile Gly Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 92
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> d-Ala

<400> 92
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 93
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 93
Ile Lys Ala Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 94
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 94
Ile Lys Pro Ala Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 95
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (5)
<223> d-Ala

<400> 95
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 96
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 96
Ile Lys Pro Glu Ala Ala Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 97
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 98
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 98
Ile Lys Pro Glu Ala Pro Gly Ala Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 99
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 99
Ile Lys Pro Glu Ala Pro Gly Glu Ala Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 100
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (10)
<223> d-Ala

<400> 100
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 101
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 101
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ala Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 102
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 102
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 103
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 103
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Ala Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 104
<211> 34
<212> PRT

<213> Artificial Sequence

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

<400> 104
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Ala Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 105
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 105
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Ala Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 106
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 106
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 107
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 107
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Ala Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 108
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 108
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 109
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (17)
<223> (NMe)Ala

<400> 109
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Ala Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 110
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 110
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Ala Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 111
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 111
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Ala Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 112
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (20)
<223> d-Ala

<400> 112
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 113
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 113
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ala Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 114
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 114
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Ala Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 115
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 115
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Ala His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 116
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 116
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Lys His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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

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

<400> 117
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 118
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 118
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Ala Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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

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

<400> 119
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Ala Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 120
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 120
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Ala Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 121
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 121
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Ala Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 122
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 122
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Ala Thr Arg Gln
20 25 30

Arg Tyr

<210> 123

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

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

<400> 123
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Ala Arg Gln
20 25 30

Arg Tyr

<210> 124
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 124
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Ala Gln
20 25 30

Arg Tyr

<210> 125
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 125
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Lys Gln
20 25 30

Arg Tyr

<210> 126
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide construct

<400> 126
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Ala
20 25 30

Arg Tyr

<210> 127
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 127
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Ala Tyr

<210> 128
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 128
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Ala

<210> 129
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 129
Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala

1 5 10 15

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

Arg Tyr

<210> 130
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 130
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 131
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 131
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 132
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Ac-Pro

<400> 132
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 133
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)
<223> (NMe)Tyr

<400> 133
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 134
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 134
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg His

<210> 135
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 135
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg His

<210> 136
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 136
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Trp

<210> 137
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 137
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Phe

<210> 138
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 138
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Phe

<210> 139
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)
<223> Tyr(CH2SO3)

<400> 139
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 140
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)
<223> Pro(OH)

<400> 140
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Pro

<210> 141
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (33)
<223> homo-Arg

<400> 141
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 142
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 142
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 143
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 143
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 144
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 144
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 145
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 145
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 146
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (11)
<223> Ser(Ac)

<400> 146
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 147
<211> 34
<212> PRT

<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (21)
<223> Ser(Ac)

<400> 147
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 148
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (17)
<223> homo-Arg

<400> 148
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 149
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (23)
<223> homo-Arg

<400> 149
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln

20 25 30

Arg Tyr

<210> 150
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> FmocSO3H-Ile

<220>
<221> MOD_RES
<222> (2)
<223> Lys(FmocSO3H)

<400> 150
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 151
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Ile

<400> 151
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 152
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Fmoc-Ile

<400> 152
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 153
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isobutyloxycarbonyl-Ile

<400> 153
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 154
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isopropyloxycarbonyl-Ile

<400> 154
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 155
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> N-butyloxycarbonyl-Ile

<400> 155
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 156
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Ethoxycarbonyl-Ile

<400> 156
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 157
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 157
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ser
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 158
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (16)
<223> NorVal

<400> 158
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Xaa
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 159
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 159
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 160
<211> 34
<212> PRT
<213> Artificial Sequence

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

peptide construct

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Ile

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 160
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 161
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (17)
<223> homo-Arg

<400> 161
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 162
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Ile

<220>
<221> MOD_RES
<222> (17)
<223> homo-Arg

<400> 162
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 163
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<220>
<221> MOD_RES
<222> (17)
<223> homo-Arg

<400> 163
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 164
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Ile

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<220>
<221> MOD_RES
<222> (17)
<223> homo-Arg

<400> 164
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala

1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 165
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 165
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Met Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 166
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 166
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 167
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES

<222> (2)
<223> homo-Lys

<220>
<221> MOD_RES
<222> (17)
<223> homo-Arg

<400> 167
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 168
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<220>
<221> MOD_RES
<222> (11)
<223> homo-Ser

<220>
<221> MOD_RES
<222> (17)
<223> homo-Arg

<400> 168
Leu Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 169
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 169
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Gln Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 170
<211> 35
<212> PRT
<213> Artificial Sequence

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

<400> 170
Ile Lys Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu
1 5 10 15

Asn Arg Tyr Tyr Ala Ser Leu Lys His Tyr Leu Asn Leu Val Thr Arg
20 25 30

Gln Arg Tyr
35

<210> 171
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 171
Ile Lys Pro Glu Cys Pro Gly Glu Asp Ala Ser Pro Glu Glu Cys Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 172
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 172
Leu Glu Pro Val Tyr Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 173
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 173
Leu Glu Pro Val Tyr Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 174
<211> 35
<212> PRT
<213> Artificial Sequence

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

<400> 174
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Ala Val Thr Arg
20 25 30

Gln Arg Tyr
35

<210> 175
<211> 32
<212> PRT
<213> Artificial Sequence

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

<400> 175
Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr
1 5 10 15

Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25 30

<210> 176
<211> 27
<212> PRT
<213> Artificial Sequence

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

<400> 176
Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg
1 5 10 15

His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 177
<211> 22
<212> PRT
<213> Artificial Sequence

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

<400> 177
Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu
1 5 10 15

Val Thr Arg Gln Arg Tyr
20

<210> 178
<211> 17
<212> PRT
<213> Artificial Sequence

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

<400> 178
Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg
1 5 10 15

Tyr

<210> 179
<211> 12
<212> PRT
<213> Artificial Sequence

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

<400> 179
Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
1 5 10

<210> 180
<211> 28
<212> PRT

<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (5)
<223> Aca

<400> 180
Tyr Pro Ile Lys Xaa Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu
1 5 10 15

Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 181
<211> 27
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (5)
<223> Aca

<400> 181
Tyr Pro Ile Lys Xaa Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg
1 5 10 15

His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 182
<211> 26
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (5)
<223> Aca

<400> 182
Tyr Pro Ile Lys Xaa Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His
1 5 10 15

Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 183
<211> 20
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (5)
<223> Aca

<400> 183
Tyr Pro Ile Lys Xaa Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
1 5 10 15

Arg Gln Arg Tyr
20

<210> 184
<211> 17
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (5)
<223> Aca

<400> 184
Tyr Pro Ile Lys Xaa Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg
1 5 10 15

Tyr

<210> 185
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 185
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Ala Asn Arg Tyr Tyr Ala
1 5 10 15

Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25 30

<210> 186
<211> 30
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (11)

<223> Ado

<400> 186
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Xaa Asn Arg Tyr Tyr Ala
1 5 10 15

Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25 30

<210> 187
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Fmoc-Ile

<220>
<221> MOD_RES
<222> (2)
<223> Lys(PEG5000)

<400> 187
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 188
<211> 33
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Fmoc-Lys(PEG5000)

<400> 188
Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg
1 5 10 15

Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg
20 25 30

Tyr

<210> 189

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

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

<220>
<221> MOD_RES
<222> (1)
<223> Fmoc-Ile

<220>
<221> MOD_RES
<222> (17)
<223> Lys(PEG5000)

<400> 189
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 190
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> PEG5000-Ile

<400> 190
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 191
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (11)
<223> Ser(OAc)

<400> 191
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 192
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (21)
<223> Ser(OAc)

<400> 192
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 193
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Fmoc-Ile

<220>
<221> MOD_RES
<222> (17)
<223> Lys(Oct)

<400> 193
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 194
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (17)
<223> Lys(Oct)

<400> 194
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 195
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Octanoic acid-Ile

<400> 195
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 196
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Fmoc-Ile

<220>

<221> MOD_RES
<222> (17)
<223> Lys(stearyl)

<400> 196
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 197
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (17)
<223> Lys(stearyl)

<400> 197
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 198
<211> 27
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Ac-Glu

<400> 198
Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg
1 5 10 15

His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 199
<211> 27
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Stearyl-Glu

<400> 199
Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg
1 5 10 15

His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 200
<211> 27
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Octyl-Glu

<400> 200
Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg
1 5 10 15

His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 201
<211> 27
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Succinyl-Glu

<400> 201
Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg
1 5 10 15

His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 202
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide construct

<220>
<221> MOD_RES
<222> (1)
<223> Stearyl-Ala

<400> 202
Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
1 5 10 15

<210> 203
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Octyl-Ala

<400> 203
Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
1 5 10 15

<210> 204
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (14)
<223> Lys(PEG)

<400> 204
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Lys Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 205
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (14)

<223> Lys(Oct)

<400> 205
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Lys Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 206
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Fmoc-Ile

<220>
<221> MOD_RES
<222> (14)
<223> Lys(Oct)

<400> 206
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Lys Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 207
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)
<223> Tyr(8-Am-3,6-dioxaoct)

<400> 207
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 208
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)
<223> Tyr(11-Am-undecanoyl)

<400> 208
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 209
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)
<223> Tyr(12 Ado)

<400> 209
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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

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

<220>
<221> MOD_RES
<222> (34)
<223> Tyr(8-Oct)

<400> 210
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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

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

<220>
<223> C-term Mimic A linker to SEQ ID NO: 352

<400> 211
Ile Lys Pro Glu Ala
1 5

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

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

<220>
<223> C-term Mimic A linker to SEQ ID NO: 353

<400> 212
Ile Lys Pro Glu Ala Pro
1 5

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

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

<220>
<223> C-term Mimic A linker to SEQ ID NO: 354

<400> 213
Ile Lys Pro Glu Ala Pro Gly
1 5

<210> 214
<211> 8
<212> PRT
<213> Artificial Sequence

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

peptide construct

<220>
<223> C-term Mimic A linker to SEQ ID NO: 355

<400> 214
Ile Lys Pro Glu Ala Pro Gly Glu
1 5

<210> 215
<211> 9
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Mimic A linker to SEQ ID NO: 356

<400> 215
Ile Lys Pro Glu Ala Pro Gly Glu Asp
1 5

<210> 216
<211> 10
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Mimic A linker to SEQ ID NO: 357

<400> 216
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala
1 5 10

<210> 217
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Mimic A linker to SEQ ID NO: 358

<400> 217
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser
1 5 10

<210> 218
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>

<221> MOD_RES
<222> (7)
<223> Aib

<400> 218
Ile Lys Pro Glu Ala Ala Xaa Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 219
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (8)
<223> Aib

<400> 219
Ile Lys Pro Glu Ala Pro Ala Xaa Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 220
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (9)
<223> Aib

<400> 220
Ile Lys Pro Glu Ala Pro Gly Ala Xaa Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 221
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (10)
<223> Aib

<400> 221
Ile Lys Pro Glu Ala Pro Gly Glu Ala Xaa Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 222
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (11)
<223> Aib

<400> 222
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Xaa Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 223
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (12)
<223> Aib

<400> 223
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ala Xaa Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 224
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)
<223> Aib

<400> 224
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Xaa Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 225
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 225
Ile Lys Pro Glu Ala Ala Pro Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 226
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 226
Ile Lys Pro Glu Ala Pro Ala Pro Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 227
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 227
Ile Lys Pro Glu Ala Pro Gly Ala Pro Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 228
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 228
Ile Lys Pro Glu Ala Pro Gly Glu Ala Pro Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 229
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 229
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 230
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 230
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Pro Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 231
<211> 5
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Mimic B linker to SEQ ID NO: 359

<400> 231
Ile Lys Pro Glu Ala
1 5

<210> 232
<211> 6
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Mimic B linker to SEQ ID NO: 360

<400> 232
Ile Lys Pro Glu Ala Pro
1 5

<210> 233
<211> 7
<212> PRT
<213> Artificial Sequence

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

<220>

<223> C-term Mimic B linker to SEQ ID NO: 361

<400> 233
Ile Lys Pro Glu Ala Pro Gly
1 5

<210> 234
<211> 8
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Mimic B linker to SEQ ID NO: 362

<400> 234
Ile Lys Pro Glu Ala Pro Gly Glu
1 5

<210> 235
<211> 9
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Mimic B linker to SEQ ID NO: 363

<400> 235
Ile Lys Pro Glu Ala Pro Gly Glu Asp
1 5

<210> 236
<211> 10
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Mimic B linker to SEQ ID NO: 364

<400> 236
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala
1 5 10

<210> 237
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Mimic B linker to SEQ ID NO: 365

<400> 237

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser
1 5 10

<210> 238
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 238
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ala Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 239
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 239
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 240
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 240
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 241

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

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

<400> 241
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Lys Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 242
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Ile

<400> 242
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Lys Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 243
<211> 33
<212> PRT
<213> Artificial Sequence

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

<400> 243
Ile Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala Arg
1 5 10 15

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

Tyr

<210> 244

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

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

<400> 244
Tyr Pro Ile Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu
1 5 10 15

Ala Arg Tyr Tyr Ser Ala Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg
20 25 30

Gln Arg Tyr
35

<210> 245
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 245
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 246
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 246
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 247
<211> 36
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide construct

<400> 247
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ser Ala Leu Arg Ala Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 248
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 248
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 249
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (4)
<223> homo-Lys

<400> 249
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 250
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide construct

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 250
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 251
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (4)
<223> homo-Lys

<400> 251
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 252
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 252
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 253
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 253
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 254
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 254
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 255
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 255
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 256
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 256
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 257
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 257
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 258
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (4)
<223> homo-Lys

<400> 258
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ser Ala Leu Arg Ala Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 259
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 259
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ser Ala Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 260
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (4)
<223> homo-Lys

<400> 260
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 261
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 261
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 262
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (2)
<223> homo-Lys

<400> 262
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 263
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 263
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 264
<211> 35
<212> PRT

<213> Artificial Sequence

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

<400> 264
Pro Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu
1 5 10 15

Ala Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg
20 25 30

Gln Arg Tyr
35

<210> 265
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 265
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 266
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 266
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 267
<211> 36
<212> PRT

<213> Artificial Sequence

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

<400> 267
Tyr Pro Ile Arg Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 268
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 268
Tyr Pro Ile Arg Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 269
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 269
Ile Arg Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 270
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 270
Pro Arg Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 271
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> 8-amino-octanoyl-Ile

<400> 271
Ile Arg Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 272
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 272
Tyr Pro Ile Arg Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 273
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 273
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 274
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 274
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 275
<211> 37
<212> PRT
<213> Artificial Sequence

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

<400> 275
Pro Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu
1 5 10 15

Glu Leu Ala Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile
20 25 30

Thr Arg Gln Arg Tyr
35

<210> 276
<211> 33
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> 8-amino-octanoyl-Lys

<400> 276
Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala Arg
1 5 10 15

Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln Arg
20 25 30

Tyr

<210> 277
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 277
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 278
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 278
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 279
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 279
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 280
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Tyr

<400> 280
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Arg Tyr Tyr Ala Ser Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 281
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Ile

<400> 281
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

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

Arg Tyr

<210> 282
<211> 35
<212> PRT

<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Gly(Oct)

<400> 282
Gly Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu
1 5 10 15

Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg
20 25 30

Gln Arg Tyr
35

<210> 283
<211> 35
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Fmoc-Gly(Oct)

<400> 283
Gly Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu
1 5 10 15

Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg
20 25 30

Gln Arg Tyr
35

<210> 284
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Gly(Oct)

<400> 284
Gly Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln

20 25 30

Arg Tyr

<210> 285
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 285
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 286
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 286
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 287
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 287
Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln Met Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 288
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 288
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ala Ser Leu Arg His Phe Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 289
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 289
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Ala Pro
20 25 30

Arg Gln Arg Tyr
35

<210> 290
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (32)
<223> Aib

<400> 290
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Ala Xaa
20 25 30

Arg Gln Arg Tyr
35

<210> 291
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (32)
<223> Sar

<400> 291
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Ala Xaa
20 25 30

Arg Gln Arg Tyr
35

<210> 292
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 292
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ser Ala Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 293
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 293
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Lys Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 294
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 294
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Ala Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 295
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 295
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 296
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 296
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 297
<211> 36
<212> PRT

<213> Artificial Sequence

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

<400> 297
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 298
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 298
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 299
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 299
Ala Pro Leu Glu Pro Val Tyr Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 300
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 300
Ala Pro Leu Glu Pro Val Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 301
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 301
Ala Pro Leu Glu Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 302
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 302
Ala Pro Leu Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 303
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Ala

<400> 303
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 304
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (19)
<223> homo-Arg

<400> 304
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 305
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Ala

<220>
<221> MOD_RES
<222> (19)
<223> homo-Arg

<400> 305
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 306
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (19)
<223> homo-Lys

<400> 306
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Lys Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 307
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 307
Ala Pro Met Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 308
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 308
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Asn Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 309
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 309
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Pro Arg Tyr
35

<210> 310
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 310
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro
20 25 30

Arg Tyr

<210> 311
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 311
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 312
<211> 34
<212> PRT

<213> Artificial Sequence

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

<400> 312
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Gln
20 25 30

Arg Tyr

<210> 313
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 313
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Ser Leu Arg His Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 314
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 314
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ser Ala Leu Arg His Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 315
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 315
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg His Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 316
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 316
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 317
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 317
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Gln Tyr Ala Ala Ser Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

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

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

<220>
<221> MOD_RES
<222> (2)
<223> d-Ala

<400> 318
Tyr Ala Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 319
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 319
Ala Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 320
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Tyr

<400> 320
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 321
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (25)
<223> homo-Lys

<400> 321
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Lys Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 322
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (25)
<223> homo-Arg

<400> 322
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 323
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (25)
<223> Orn

<400> 323
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Xaa Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 324
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (25)
<223> Cit

<400> 324
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Xaa Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 325
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (26)
<223> homo-Lys

<400> 325
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Lys Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 326
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (26)
<223> homo-Arg

<400> 326

Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 327
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (26)
<223> Orn

<400> 327
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Xaa Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 328
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (26)
<223> Cit

<400> 328
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Xaa Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 329
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (25)..(26)
<223> homo-Arg

<400> 329
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 330
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (4)
<223> homo-Lys

<400> 330
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 331
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Tyr

<220>
<221> MOD_RES
<222> (4)
<223> homo-Lys

<400> 331
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 332
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (4)
<223> homo-Arg

<400> 332
Tyr Pro Ile Arg Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 333
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (8)
<223> homo-Pro

<400> 333
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 334
<211> 36
<212> PRT
<213> Artificial Sequence

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

peptide construct

<220>
<221> MOD_RES
<222> (8)
<223> Aib

<400> 334
Tyr Pro Ile Lys Pro Glu Ala Xaa Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 335
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 335
Tyr Pro Ile Lys Pro Glu Ala Gly Pro Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 336
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (14)
<223> homo-Pro

<400> 336
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 337
<211> 36

<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (14)
<223> Aib

<400> 337
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Xaa Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 338
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (9)
<223> Sar

<400> 338
Tyr Pro Ile Lys Pro Glu Ala Pro Xaa Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 339
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)
<223> homo-Ser

<400> 339
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 340
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)
<223> Dap

<400> 340
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Xaa Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 341
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 341
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Gln Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 342
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 342
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Asp Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 343
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 343
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Met Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 344
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (4)
<223> homo-Lys

<400> 344
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Gln Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 345
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (4)
<223> homo-Lys

<400> 345
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Ser Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 346
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (4)
<223> homo-Lys

<400> 346
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Gln Glu
1 5 10 15

Met Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 347
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 347
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Glu Leu Arg Arg Tyr Ile Gln Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 348
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Tyr, Phe, Trp, or absent

<220>
<221> MOD_RES
<222> (2)
<223> Pro, Gly, d-Ala, homo-Pro, hyroxy-Pro, or absent

<220>
<221> MOD_RES
<222> (3)
<223> Ile, Ala, NorVal, Val, Leu, Pro, Ser, or Thr

<220>
<221> MOD_RES
<222> (4)
<223> Lys, Ala, Gly, Arg, d-Ala, homo-Lys, homo-Arg, Glu, or Asp

<220>
<221> MOD_RES
<222> (6)
<223> Glu, Ala, Val, Asp, Asn, or Gln

<220>
<221> MOD_RES
<222> (7)
<223> Ala, Asn, His, Ser, or Tyr

<220>
<221> MOD_RES
<222> (9)
<223> Gly, Ala, Ser, Sarcosine, Pro, or Aib

<220>
<221> MOD_RES
<222> (10)
<223> Glu, Ala, Asp, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (11)
<223> Asp, Ala, Glu, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (12)
<223> Ala or d-Ala

<220>
<221> MOD_RES
<222> (13)
<223> Ser, Ala, Thr, Pro, or homo-Ser

<220>
<221> MOD_RES
<222> (14)
<223> Pro, Ala, homo-Pro, hydroxy-Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (15)
<223> Glu, Ala, Asp, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (16)
<223> Glu, Ala, Asp, Asn, or Gln

<220>
<221> MOD_RES
<222> (17)
<223> Leu, Ala, Met, Trp, Ile, Val, or NorVal

<220>
<221> MOD_RES
<222> (18)
<223> Asn, Asp, Ala, Glu, Gln, Ser, or Thr

<220>
<221> MOD_RES
<222> (19)
<223> Arg, Tyr, Lys, Ala, Gln, or N(Me)Ala

<220>
<221> MOD_RES
<222> (21)
<223> Tyr, Ala, Met, Phe, or Leu

<220>
<221> MOD_RES
<222> (22)
<223> Ala, Ser, Thr, or d-Ala

<220>
<221> MOD_RES
<222> (23)
<223> Ser, Ala, Thr, or homo-Ser

<220>
<221> MOD_RES
<222> (26)
<223> His or Ala

<220>
<221> MOD_RES
<222> (28)
<223> Leu, Ile, Val, or Ala

<220>
<221> MOD_RES
<222> (30)
<223> Leu, Ala, NorVal, Val, Ile, or Met

<220>
<221> MOD_RES
<222> (31)
<223> Ala, Val, Ile, or Leu

<220>
<221> MOD_RES
<222> (36)
<223> Tyr, N(Me)Tyr, His, Trp, or Phe

<400> 348
Xaa Xaa Xaa Xaa Pro Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Tyr Xaa Xaa Xaa Leu Arg Xaa Tyr Xaa Asn Xaa Xaa Thr
20 25 30

Arg Gln Arg Xaa
35

<210> 349
<211> 36
<212> PRT

<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Tyr, Phe, Trp, or absent

<220>
<221> MOD_RES
<222> (2)
<223> Pro, Gly, d-Ala, homo-Pro, hydroxy-Pro, or absent

<220>
<221> MOD_RES
<222> (3)
<223> Ile, Ala, NorVal, Val, Leu, Pro, Ser, or Thr

<220>
<221> MOD_RES
<222> (4)
<223> Lys, Ala, Gly, Arg, d-Ala, homo-Lys, homo-Arg, Glu, or Asp

<220>
<221> MOD_RES
<222> (6)
<223> Glu, Ala, Val, Asp, Asn, or Gln

<220>
<221> MOD_RES
<222> (7)
<223> Ala, Asn, His, Ser, or Tyr

<220>
<221> MOD_RES
<222> (9)
<223> Gly, Ala, Ser, Sarcosine, Pro, or Aib

<220>
<221> MOD_RES
<222> (10)
<223> Glu, Ala, Asp, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (11)
<223> Asp Ala, Glu, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (12)
<223> Ala or d-Ala

<220>
<221> MOD_RES
<222> (13)
<223> Ser, Ala, Thr, or homo-Ser

<220>
<221> MOD_RES
<222> (14)
<223> Pro, Ala, homo-Pro, hydroxy-Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (15)
<223> Glu, Ala, Asp, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (16)
<223> Glu, Ala, Asp, Asn, or Gln

<220>
<221> MOD_RES
<222> (17)
<223> Leu, Ala, Met, Trp, Ile, Val, or NorVal

<220>
<221> MOD_RES
<222> (18)
<223> Asn, Asp, Ala, Glu, Gln, Ser, or Thr

<220>
<221> MOD_RES
<222> (19)
<223> Arg, Tyr, Lys, Ala, Gln, or N(Me)Ala

<220>
<221> MOD_RES
<222> (21)
<223> Tyr, Ala, Met, Phe, or Leu

<220>
<221> MOD_RES
<222> (22)
<223> Ala, Ser, Thr, or d-Ala

<220>
<221> MOD_RES
<222> (23)
<223> Ser, Ala, Thr, or homo-Ser

<220>
<221> MOD_RES
<222> (26)
<223> His or Ala

<220>
<221> MOD_RES
<222> (28)
<223> Leu, Ile, Val, or Ala

<220>
<221> MOD_RES
<222> (30)
<223> Leu, Ala, NorVal, Val, Ile, or Met

<220>
<221> MOD_RES
<222> (31)
<223> Ala, Val, Ile, or Leu

<220>
<221> MOD_RES
<222> (36)
<223> Tyr, N(Me)Tyr, His, Trp, or Phe

<400> 349
Xaa Xaa Xaa Xaa Pro Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Tyr Xaa Xaa Xaa Leu Arg Xaa Tyr Xaa Asn Xaa Xaa Thr
20 25 30

Arg Gln Arg Xaa

<210> 350
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Ile, Ala, Pro, Ser, Thr, or NorVal

<220>
<221> MOD_RES
<222> (2)
<223> Lys, Ala, Gly, Glu, Asp, d-Ala, homo-Lys, or homo-Arg

<220>
<221> MOD_RES
<222> (4)
<223> Glu, Ala, Val, Asp, Asn, or Gln

<220>
<221> MOD_RES
<222> (5)
<223> Ala, Asn, His, Ser, or Tyr

<220>
<221> MOD_RES
<222> (7)
<223> Gly, Ala, Ser, Sarcosine, Pro, or Aib

<220>
<221> MOD_RES
<222> (8)
<223> Glu, Ala, Asp, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (9)
<223> Asp, Ala, Glu, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (10)
<223> Ala or d-Ala

<220>
<221> MOD_RES
<222> (11)
<223> Ser, Ala, Thr, or homo-Ser

<220>
<221> MOD_RES
<222> (12)
<223> Pro, Ala, homo-Pro, hydroxy-Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (13)
<223> Glu, Ala, Asp, Asn, Gln, Pro, Aib, or Gly

<220>
<221> MOD_RES
<222> (14)
<223> Glu, Ala, Asp, Asn, or Gln

<220>
<221> MOD_RES
<222> (15)
<223> Leu, Ala, Met, Trp, Ile, Val, or NorVal

<220>
<221> MOD_RES
<222> (16)
<223> Asn, Asp, Ala, Glu, Gln, Ser or Thr

<220>
<221> MOD_RES
<222> (17)
<223> Arg, Tyr, Lys, Ala, Gln, or N(Me)Ala

<220>
<221> MOD_RES
<222> (19)
<223> Tyr, Ala, Met, Phe, or Leu

<220>
<221> MOD_RES
<222> (20)
<223> Ala, Ser, Thr, or d-Ala

<220>
<221> MOD_RES
<222> (21)
<223> Ser, Ala, Thr, or homo-Ser

<220>
<221> MOD_RES
<222> (24)
<223> His or Ala

<220>
<221> MOD_RES
<222> (26)
<223> Leu or Ala

<220>
<221> MOD_RES
<222> (28)
<223> Leu, Ala, NorVal, or Ile

<220>
<221> MOD_RES
<222> (29)
<223> Ala or Val

<220>
<221> MOD_RES
<222> (34)
<223> Tyr, N(Me)Tyr, His, or Trp

<400> 350
Xaa Xaa Pro Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Tyr Xaa Xaa Xaa Leu Arg Xaa Tyr Xaa Asn Xaa Xaa Thr Arg Gln
20 25 30

Arg Xaa

<210> 351
<211> 4

<212> PRT
<213> Homo sapiens

<400> 351
Thr Arg Gln Arg
1

<210> 352
<211> 27
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic A linker to SEQ ID NO: 211

<400> 352
Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg
1 5 10 15

His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 353
<211> 26
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic A linker to SEQ ID NO: 212

<400> 353
Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His
1 5 10 15

Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 354
<211> 25
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic A linker to SEQ ID NO: 213

<400> 354
Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr
1 5 10 15

Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 355
<211> 24
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic A linker to SEQ ID NO: 214

<400> 355
Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu
1 5 10 15

Asn Leu Val Thr Arg Gln Arg Tyr
20

<210> 356
<211> 23
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic A linker to SEQ ID NO: 215

<400> 356
Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn
1 5 10 15

Leu Val Thr Arg Gln Arg Tyr
20

<210> 357
<211> 22
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic A linker to SEQ ID NO: 216

<400> 357
Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu
1 5 10 15

Val Thr Arg Gln Arg Tyr
20

<210> 358
<211> 21
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic A linker to SEQ ID NO: 217

<400> 358
Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
1 5 10 15

Thr Arg Gln Arg Tyr
20

<210> 359
<211> 27
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic B linker to SEQ ID NO: 231

<400> 359
Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg
1 5 10 15

His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 360
<211> 26
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic B linker to SEQ ID NO: 232

<400> 360
Asp Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His
1 5 10 15

Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 361
<211> 25
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic B linker to SEQ ID NO: 233

<400> 361
Ala Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr
1 5 10 15

Leu Asn Leu Val Thr Arg Gln Arg Tyr
20 25

<210> 362
<211> 24
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic B linker to SEQ ID NO: 234

<400> 362
Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu
1 5 10 15

Asn Leu Val Thr Arg Gln Arg Tyr
20

<210> 363
<211> 23
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic B linker to SEQ ID NO: 235

<400> 363
Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn
1 5 10 15

Leu Val Thr Arg Gln Arg Tyr
20

<210> 364
<211> 22
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Mimic B linker to SEQ ID NO: 236

<400> 364
Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu
1 5 10 15

Val Thr Arg Gln Arg Tyr
20

<210> 365
<211> 21
<212> PRT

<213> Artificial Sequence

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

<220>
<223> N-term Mimic B linker to SEQ ID NO: 237

<400> 365
Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val
1 5 10 15

Thr Arg Gln Arg Tyr
20

<210> 366
<211> 35
<212> PRT
<213> Artificial Sequence

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

<400> 366
Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met
1 5 10 15

Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg
20 25 30

Gln Arg Tyr
35

<210> 367
<211> 33
<212> PRT
<213> Artificial Sequence

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

<400> 367
Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg
1 5 10 15

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

Tyr

<210> 368
<211> 35
<212> PRT
<213> Artificial Sequence

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

<400> 368
Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu
1 5 10 15

Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg
20 25 30

Gln Arg Tyr
35

<210> 369
<211> 33
<212> PRT
<213> Artificial Sequence

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

<400> 369
Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn Arg
1 5 10 15

Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg
20 25 30

Tyr

<210> 370
<211> 35
<212> PRT
<213> Artificial Sequence

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

<400> 370
Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln Met
1 5 10 15

Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg
20 25 30

Pro Arg Tyr
35

<210> 371
<211> 33
<212> PRT
<213> Artificial Sequence

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

<400> 371
Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln Met Ala Gln
1 5 10 15

Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Pro Arg
20 25 30

Tyr

<210> 372
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 372
Ala Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 373
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 373
Tyr Pro Ala Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 374
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 374
Tyr Pro Ser Ala Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr

35

<210> 375
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 375
Tyr Pro Ser Lys Pro Ala Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 376
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 376
Tyr Pro Ser Lys Pro Asp Ala Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 377
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 377
Tyr Pro Ser Lys Pro Lys Tyr Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Leu Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 378
<211> 36

<212> PRT
<213> Artificial Sequence

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

<400> 378
Tyr Pro Ser Lys Pro Asp Asn Pro Ala Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 379
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 379
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Ala Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 380
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 380
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Ala Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 381
<211> 36
<212> PRT
<213> Artificial Sequence

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

peptide construct

<400> 381
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Ala Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 382
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 382
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Gly Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 383
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 383
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Ala Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 384
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 384
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Ala
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 385
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 385
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Ala Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 386
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 386
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Ala Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 387
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 387
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Lys Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 388
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 388
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Ala Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 389
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 389
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ala Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 390
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 390
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Lys His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 391
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 391
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg Ala Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 392
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 392
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Phe Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 393
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 393
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ala Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 394
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 394
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Gln Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 395
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 395
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Ala Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 396
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 396
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ala Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 397
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 397

Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Phe
35

<210> 398
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 398
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg His
35

<210> 399
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 399
Leu Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 400
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln

20 25 30

Arg Tyr

<210> 401
<211> 36
<212> PRT
<213> Artificial Sequence

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

<400> 401
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 402
<211> 43
<212> PRT
<213> Artificial Sequence

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

<400> 402
Ala Pro Leu Glu Pro Val Tyr Tyr Pro Ser Lys Pro Lys Asn Pro Gly
1 5 10 15

Glu Asp Ala Pro Ala Glu Asp Leu Ala Arg Tyr Tyr Ser Ala Leu Arg
20 25 30

His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
35 40

<210> 403
<211> 53
<212> PRT
<213> Artificial Sequence

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

<400> 403
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Tyr Pro Ser Lys Pro Lys Asn Pro Gly Glu Asp Ala Pro Ala Glu
20 25 30

Asp Leu Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile
35 40 45

Thr Arg Gln Arg Tyr
50

<210> 404
<211> 41
<212> PRT
<213> Artificial Sequence

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

<400> 404
Gln Tyr Ala Ala Asp Tyr Pro Ser Lys Pro Lys Asn Pro Gly Glu Asp
1 5 10 15

Ala Pro Ala Glu Asp Leu Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr
20 25 30

Ile Asn Leu Ile Thr Arg Gln Arg Tyr
35 40

<210> 405
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 405
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Phe Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 406
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 406
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Ile Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 407
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 407
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Val Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 408
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 408
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Gln Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 409
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 409
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Val Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 410
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 410
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

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

Arg Tyr

<210> 411
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 411
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Leu Thr Arg Gln
20 25 30

Arg Tyr

<210> 412
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 412
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Phe

<210> 413
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 413
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Lys His Phe Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 414
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 414
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Lys His Tyr Ile Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 415
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 415
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Lys His Tyr Val Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 416
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 416
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Lys His Tyr Leu Gln Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 417
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 417
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Lys His Tyr Leu Asn Val Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 418
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 418
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Lys His Tyr Leu Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 419
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 419
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Lys His Tyr Leu Asn Leu Leu Thr Arg Gln
20 25 30

Arg Tyr

<210> 420
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 420
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Lys His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Phe

<210> 421
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 421
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Phe Ile Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 422
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 422
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Phe Val Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 423
<211> 34

<212> PRT
<213> Artificial Sequence

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

<400> 423
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Phe Leu Gln Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 424
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 424
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Phe Leu Asn Val Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 425
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 425
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Phe Leu Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 426
<211> 34
<212> PRT
<213> Artificial Sequence

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

peptide construct

<400> 426
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Phe Leu Asn Leu Leu Thr Arg Gln
20 25 30

Arg Tyr

<210> 427
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 427
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Phe Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Phe

<210> 428
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 428
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Gln Val Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 429
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 429
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Gln Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 430
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 430
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Gln Leu Leu Thr Arg Gln
20 25 30

Arg Tyr

<210> 431
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 431
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Gln Leu Val Thr Arg Gln
20 25 30

Arg Phe

<210> 432
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 432
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Val Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 433
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 433
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Val Leu Thr Arg Gln
20 25 30

Arg Tyr

<210> 434
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 434
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Val Val Thr Arg Gln
20 25 30

Arg Phe

<210> 435
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 435
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Leu Thr Arg Gln
20 25 30

Arg Phe

<210> 436
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 436
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 437
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 437
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 438
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 438
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 439
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 439
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 440
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 440
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 441
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 441
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 442
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 442

Pro Lys Pro Glu His Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 443
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 443
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Lys Tyr

<210> 444
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isobutyloxycarbonyl-Pro

<400> 444
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 445
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 445
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn

1 5 10 15

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

Arg Tyr

<210> 446
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 446
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Ile Asn
1 5 10 15

Arg Tyr Phe Ala Ser Leu Arg Ala Tyr Ile Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 447
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 447
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Lys Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 448
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 448
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Ile Asn
1 5 10 15

Arg Tyr Phe Ala Ser Leu Arg Ala Tyr Ile Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 449
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 449
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Lys Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 450
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 450
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Trp

<210> 451
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (17)
<223> (NMe)Ala

<400> 451
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Ala Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 452
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Dansyl-Ile

<400> 452
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 453
<211> 35
<212> PRT
<213> Artificial Sequence

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

<400> 453
Ile Lys Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu
1 5 10 15

Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg
20 25 30

Gln Arg Tyr
35

<210> 454
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 454
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Asp Leu Ala
1 5 10 15

Arg Tyr Lys Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 455
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Octanoyl-Pro

<400> 455
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 456
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isobutyloxycarbonyl-Pro

<400> 456
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 457
<211> 35
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Octyl-Gly

<400> 457
Gly Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu
1 5 10 15

Ala Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg
20 25 30

Gln Arg Tyr
35

<210> 458
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 458
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Phe

<210> 459
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 459
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Trp

<210> 460
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 460
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 461
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 461
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 462
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 462
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 463
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 463
Pro Ser Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 464
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 464
Pro Lys Pro Glu Gly Pro Ala Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 465
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 465
Pro Lys Pro Glu Ala Pro Gly Glu Asp Pro Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 466
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 466
Pro Lys Pro Glu Ala Pro Gly Glu Asp Pro Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 467
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 467
Val Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 468
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Val

<400> 468
Val Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 469
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 469
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln

20 25 30

Arg Tyr

<210> 470
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 470
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 471
<211> 34
<212> PRT
<213> Artificial Sequence

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

<400> 471
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Pro Ser Glu Glu Leu Ala
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 472
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Pro

<400> 472
Pro Lys Pro Glu His Pro Gly Glu Asp Ala Pro Ser Glu Glu Leu Ala
1 5 10 15

Lys Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 473
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Ile

<400> 473
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 474
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> 8-amino octanoyl-Ile

<400> 474
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Pro Ala Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 475
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term BH modified

<400> 475
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 476
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term BH modified

<400> 476
Tyr Pro Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 477
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term BH modified

<400> 477
Ile Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Gln
20 25 30

Arg Tyr

<210> 478
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Isocaproyl-Ile

<220>
<221> MOD_RES
<222> (2)
<223> BH modified Lys

<400> 478
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr Arg Gln
20 25 30

Arg Tyr

<210> 479
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term BH modified

<400> 479
Pro Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 480
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term BH modified

<400> 480
Pro Ala Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Ala
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Ala Tyr Ile Asn Leu Ile Thr Arg Gln
20 25 30

Arg Tyr

<210> 481
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Tyr, or absent

<220>
<221> MOD_RES
<222> (2)
<223> Ile, Pro, or absent

<220>
<221> MOD_RES
<222> (3)
<223> Ile, Lys, Val, or Pro

<220>
<221> MOD_RES
<222> (4)
<223> Lys, Ala, Ser, or Arg

<220>
<221> MOD_RES
<222> (7)
<223> Ala, Gly, or His

<220>
<221> MOD_RES
<222> (9)
<223> Gly, or Ala

<220>
<221> MOD_RES
<222> (12)
<223> Ala, or Pro

<220>
<221> MOD_RES
<222> (13)
<223> Ser, or Pro

<220>
<221> MOD_RES
<222> (14)
<223> Pro, Ala or Ser

<220>
<221> MOD_RES
<222> (16)
<223> Glu, or Asp

<220>
<221> MOD_RES
<222> (17)
<223> Leu or Ile

<220>
<221> MOD_RES
<222> (18)
<223> Asn, or Ala

<220>
<221> MOD_RES
<222> (19)
<223> Arg, Lys, Gln, or N(Me)Ala

<220>
<221> MOD_RES
<222> (21)
<223> Tyr, Ala, Phe, or Lys

<220>
<221> MOD_RES
<222> (22)
<223> Ala, or Ser

<220>
<221> MOD_RES
<222> (23)
<223> Ser, Ala, or Asp

<220>
<221> MOD_RES
<222> (25)
<223> Arg, or Lys

<220>
<221> MOD_RES
<222> (26)
<223> His, Ala, or Arg

<220>
<221> MOD_RES
<222> (28)
<223> Leu, or Ile

<220>
<221> MOD_RES
<222> (30)
<223> Leu, or Met

<220>
<221> MOD_RES
<222> (31)
<223> Val, Ile, or Leu

<220>
<221> MOD_RES
<222> (35)
<223> Lys, or Arg

<220>
<221> MOD_RES
<222> (36)
<223> Tyr, Trp, or Phe

<400> 481
Xaa Xaa Xaa Xaa Pro Glu Xaa Pro Xaa Glu Asp Xaa Xaa Xaa Glu Xaa
1 5 10 15

Xaa Xaa Xaa Tyr Xaa Xaa Xaa Leu Xaa Xaa Tyr Xaa Asn Xaa Xaa Thr
20 25 30

Arg Gln Xaa Xaa

<210> 482
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)
<223> Tyr, or absent

<220>
<221> MOD_RES
<222> (2)
<223> Ile, Pro, or absent

<220>
<221> MOD_RES
<222> (4)
<223> Lys, Ala, Ser, or Arg

<220>
<221> MOD_RES
<222> (6)
<223> Glu, Gln, Ala, Asn, Asp, or Val

<220>
<221> MOD_RES
<222> (9)
<223> Gly, or Ala

<220>
<221> MOD_RES
<222> (10)
<223> Glu, Ala, Asp, Asn, Gln, Gly, Pro, or Aib

<220>
<221> MOD_RES
<222> (11)
<223> Glu, Ala, Asp, Asn, Gln, Gly, Pro, or Aib

<220>
<221> MOD_RES
<222> (12)
<223> Ala, or Pro

<220>
<221> MOD_RES
<222> (13)
<223> Ser, or Pro

<220>
<221> MOD_RES
<222> (14)
<223> Pro, Ala or Ser

<220>
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<222> (15)
<223> Glu, Ala, Asp, Asn, Gln, Gly, Pro, or Aib

<220>
<221> MOD_RES
<222> (16)
<223> Glu, or Asp

<220>
<221> MOD_RES
<222> (17)
<223> Leu or Ile

<220>
<221> MOD_RES
<222> (19)
<223> Arg, Lys, Gln, or N(Me)Ala

<220>
<221> MOD_RES
<222> (21)
<223> Tyr, Ala, Phe, or Lys

<220>
<221> MOD_RES
<222> (22)
<223> Ala, or Ser

<220>
<221> MOD_RES
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<223> Ser, Ala, or Asp

<220>
<221> MOD_RES
<222> (25)
<223> Arg, or Lys

<220>
<221> MOD_RES
<222> (26)
<223> His, Ala, or Arg

<220>
<221> MOD_RES
<222> (27)
<223> Tyr, or Phe

<220>
<221> MOD_RES
<222> (28)
<223> Leu, or Ile

<220>
<221> MOD_RES
<222> (29)
<223> Asn, or Gln

<220>
<221> MOD_RES
<222> (30)
<223> Leu, or Met

<220>
<221> MOD_RES
<222> (31)
<223> Val, Ile, or Leu

<400> 482
Xaa Xaa Pro Xaa Pro Xaa His Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Ala Xaa Tyr Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Thr
20 25 30

Arg Gln Arg Tyr