

SEQUENCE LISTING

<110> RA PHARMACEUTICALS, INC.
 <120> MODULATION OF COMPLEMENT ACTIVITY
 <130> 2011.1005PCT
 <140> PCT/US2015/035473
 <141> 2015-06-12
 <150> 62/108,772
 <151> 2015-01-28
 <150> 62/077,460
 <151> 2014-11-10
 <150> 62/011,368
 <151> 2014-06-12
 <160> 212
 <170> PatentIn version 3.5
 <210> 1
 <211> 13
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic peptide
 <220>
 <223> N-term Ac
 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NV1
 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan
 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Tbg
 <220>
 <223> C-term NH2
 <400> 1
 Val Cys Tyr Lys Asn Tyr His Trp Glu Tyr Pro Gly Tyr
 1 5 10
 <210> 2
 <211> 13
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NV1

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (11)..(11)
<223> (N-Me)Gly

<220>
<221> MOD_RES
<222> (12)..(12)
<223> NV1

<220>
<221> MOD_RES
<222> (13)..(13)
<223> (N-Me)Ser

<220>
<223> C-term NH2

<400> 2
Val Cys Tyr Glu Asn Gly Tyr Trp Glu Tyr Gly Val Ser
1 5 10

<210> 3
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NV1

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES

<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Phg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NVl

<220>
<223> C-term NH2

<400> 3
Val Cys Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 4
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVl

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Phg

<220>
<223> C-term NH2

<400> 4
Val Cys Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Pro
1 5 10

<210> 5
<211> 13
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> NVI

<220>

<221> MOD_RES

<222> (6)..(6)

<223> Tbg

<220>

<221> MOD_RES

<222> (8)..(8)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (12)..(12)

<223> Phg

<220>

<221> MOD_RES

<222> (13)..(13)

<223> Tbg

<220>

<223> C-term NH2

<400> 5

Val Cys Tyr Asn Asn Gly Glu Trp Glu Tyr Pro Gly Gly
1 5 10

<210> 6

<211> 13

<212> PRT

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> NVI

<220>

<221> MOD_RES

<222> (4)..(4)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (5)..(5)

<223> (N-Me)Gly

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Nv1

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Phg

<220>
<223> C-term NH2

<400> 6
Val Cys Tyr Trp Gly Gly Val Trp Glu Tyr Pro Gly Pro
1 5 10

<210> 7
<211> 11
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Tbg

<220>
<221> MOD_RES
<222> (6)..(6)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (9)..(9)
<223> (N-Me)Gly

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Nv1

<220>
<221> MOD_RES
<222> (11)..(11)
<223> (N-Me)Ser

<220>
<223> C-term NH2

<400> 7
Tyr Glu Asn Gly Tyr Trp Glu Tyr Gly Val ser
1 5 10

<210> 8
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NV1

<220>
<221> misc_feature
<222> (2)..(7)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Phg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Tbg

<220>
<221> MOD_RES
<222> (11)..(11)
<223> 7-azatryptophan

<220>
<223> C-term NH2

<400> 8
Val Cys Lys Glu Gly Tyr Cys Ser Gly Lys Trp Glu Tyr
1 5 10

<210> 9
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> Nv1

<220>

<221> misc_feature

<222> (2)..(10)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (3)..(3)

<223> Phg

<220>

<221> MOD_RES

<222> (5)..(5)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (8)..(8)

<223> (N-Me)Ser

<220>

<221> MOD_RES

<222> (11)..(11)

<223> Nv1

<220>

<221> MOD_RES

<222> (13)..(13)

<223> NV1

<220>

<223> C-term NH2

<400> 9

Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val Pro Val
1 5 10

<210> 10

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> misc_feature

<222> (2)..(7)

<223> Bridging moiety between residues

<220>

<223> C-term NH2

<400> 10

Met Cys Ser Glu Arg Tyr Cys Glu Val Arg Trp Glu Tyr
1 5 10

<210> 11
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <221> misc_feature
 <222> (2)..(7)
 <223> Bridging moiety between residues

 <220>
 <223> C-term NH2

 <400> 11
 Met Cys Val Glu Arg Phe Cys Asp Val Tyr Trp Glu Phe
 1 5 10

 <210> 12
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <221> MOD_RES
 <222> (1)..(2)
 <223> NVI

 <220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> NVI

 <220>
 <223> C-term NH2

 <400> 12
 Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10

 <210> 13
 <211> 13

<212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> Nv1

 <220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> Nv1

 <220>
 <223> C-term NH2

 <400> 13
 val Ser Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly val
 1 5 10

 <210> 14
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(2)
 <223> Nv1

 <220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> (N-Me)Asn

 <220>

<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NVI

<220>
<223> C-term NH2

<400> 14
Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 15
<211> 16
<212> PRT
<213> Artificial Sequence

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

<220>
<221> misc_feature
<222> (2)..(7)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Tbg

<220>
<221> MOD_RES
<222> (11)..(11)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Phg

<220>
<221> MOD_RES
<222> (16)..(16)
<223> NVI

<220>
<223> C-term NH2

<400> 15
Met Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 16
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term AC

<220>
<221> MOD_RES
<222> (1)..(2)
<223> NVI

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Phg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NVI

<220>
<223> C-term NH2

<400> 16
Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 17
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term AC

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> MOD_RES

<222> (6)..(6)

<223> Tbg

<220>

<221> MOD_RES

<222> (8)..(8)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (12)..(12)

<223> Chg

<220>

<221> MOD_RES

<222> (13)..(13)

<223> NV1

<220>

<223> C-term NH2

<400> 17

Val Cys Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 18

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> NV1

<220>

<221> MOD_RES

<222> (6)..(6)

<223> Tbg

<220>

<221> MOD_RES

<222> (8)..(8)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (12)..(12)

<223> Phg

<220>

<223> C-term NH2

<400> 18

Val Cys Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly
1 5 10

<210> 19

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

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<223> C-term NH2

<400> 19
Cys Val Glu Arg Phe Cys Asp Val Tyr Trp Glu Phe
1 5 10

<210> 20
<211> 14
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(2)
<223> NvI

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NvI

<220>
<223> C-term NH2

<400> 20
Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val Lys

<210> 21
 <211> 12
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> 7-azatryptophan

<220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Nvl

<220>
 <223> C-term NH2

<400> 21
 Cys Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10

<210> 22
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(2)
 <223> Nvl

<220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> (N-Me)Tyr

<220>

<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Nvl

<220>
<223> C-term NH2

<400> 22
Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 23
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Nvl

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)

<223> NV1
 <220>
 <223> C-term NH2
 <400> 23
 Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
 1 5 10
 <210> 24
 <211> 11
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic peptide
 <220>
 <223> N-term Ac
 <220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> Tbg
 <220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> 7-azatryptophan
 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> Phg
 <220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> NV1
 <220>
 <223> C-term NH2
 <400> 24
 Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10
 <210> 25
 <211> 13
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic peptide
 <220>
 <223> N-term Ac
 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NV1

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Nvl

<220>
<223> C-term NH2

<400> 25
Val Ser Tyr Glu Ala Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 26
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Phg

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Nvl

<220>
<223> C-term NH2

<400> 26
Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 27
<211> 14
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(2)

<223> NV1

<220>

<221> MOD_RES

<222> (6)..(6)

<223> Tbg

<220>

<221> MOD_RES

<222> (8)..(8)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (12)..(12)

<223> Chg

<220>

<221> MOD_RES

<222> (13)..(13)

<223> NV1

<220>

<223> C-term (PEG2000)NH2

<400> 27

Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val Lys
1 5 10

<210> 28

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> NV1

<220>

<221> MOD_RES

<222> (6)..(6)

<223> Tbg

<220>

<221> MOD_RES

<222> (8)..(8)
 <223> 7-azatryptophan

 <220>
 <223> C-term NH2

 <400> 28
 Val Cys Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro
 1 5 10

 <210> 29
 <211> 13
 <212> PRT
 <213> Artificial sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NVI

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Chg

 <220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> NVI

 <220>
 <223> C-term NH2

 <400> 29
 Val Ser Tyr Glu Asn Ala Tyr Trp Glu Tyr Pro Gly Val
 1 5 10

 <210> 30
 <211> 13
 <212> PRT
 <213> Artificial sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)

<223> NV1
 <220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tbg
 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan
 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Chg
 <220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> NV1
 <220>
 <223> C-term NH2
 <400> 30
 Val Ser Tyr Glu Asn Gly Ala Trp Glu Tyr Pro Gly Val
 1 5 10
 <210> 31
 <211> 12
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic peptide
 <220>
 <223> N-term Ac
 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NV1
 <220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues
 <220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg
 <220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan
 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NV1

<220>
<223> C-term NH2

<400> 31
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val Pro
1 5 10

<210> 32
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NV1

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NV1

<220>
<223> C-term NH2

<400> 32
Val Ser Tyr Glu Asn Gly Tyr Trp Glu Tyr Ala Gly Val
1 5 10

<210> 33
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NVI

<220>
<223> C-term NH2

<400> 33
Val Ser Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Ala Val
1 5 10

<210> 34
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)

<223> (N-Me)Ser

<220>

<221> MOD_RES

<222> (11)..(11)

<223> NVI

<220>

<223> C-term NH2

<400> 34

Val Cys Gly Ala Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 35

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> NVI

<220>

<221> misc_feature

<222> (2)..(10)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (3)..(3)

<223> Phg

<220>

<221> MOD_RES

<222> (5)..(5)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (8)..(8)

<223> (N-Me)Ser

<220>

<221> MOD_RES

<222> (11)..(11)

<223> NVI

<220>

<223> C-term NH2

<400> 35

Val Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 36

<211> 11

<212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NVI

 <220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

 <220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> NVI

 <220>
 <223> C-term NH2

 <400> 36
 Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
 1 5 10

 <210> 37
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NVI

 <220>

<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NVl

<220>
<223> C-term NH2

<400> 37
Val Ser Tyr Ala Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 38
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVl

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<223> C-term NH2

<400> 38
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Ala
1 5 10

<210> 39
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ala

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVI

<220>
<223> C-term NH2

<400> 39
Val Cys Gly Thr Trp Glu Tyr Ala His Cys Val
1 5 10

<210> 40
<211> 14
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(2)
 <223> NV1

<220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan

<220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Chg

<220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> NV1

<220>
 <223> C-term (BODIPY-TMR-X)NH2

<400> 40
 Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val Lys
 1 5 10

<210> 41
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NV1

<220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

<220>

<221> MOD_RES
<222> (7)..(7)
<223> Tyr(OMe)

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NV1

<220>
<223> C-term NH2

<400> 41
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 42
<211> 10
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NV1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<223> C-term NH2

<400> 42
Val Cys Gly Thr Trp Glu Tyr Ser His Cys
1 5 10

<210> 43
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Nv1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Nv1

<220>
<223> C-term NH2

<400> 43
Val Cys Gly Thr Trp Glu Tyr Pro His Cys Val
1 5 10

<210> 44
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Nv1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (7)..(7)
<223> (4-F)Phe

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Nvl

<220>
<223> C-term NH2

<400> 44
Val Cys Gly Thr Trp Glu Phe Ser His Cys Val
1 5 10

<210> 45
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(2)
<223> Nvl

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Trp

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>

<221> MOD_RES
<222> (13)..(13)
<223> Nv1

<220>
<223> C-term NH2

<400> 45
Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 46
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Nv1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Nv1

<220>
<223> C-term NH2

<400> 46
Val Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 47
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
 <223> N-term PEG2000

 <220>
 <221> MOD_RES
 <222> (1)..(2)
 <223> NV1

 <220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> NV1

 <220>
 <223> C-term NH2

 <400> 47
 Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10

 <210> 48
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NV1

 <220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Nvl

<220>
<223> C-term NH2

<400> 48
Val Cys Gly Thr Trp Glu Phe Ser Ala Cys Val
1 5 10

<210> 49
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(2)
<223> Nvl

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> (N-Me)Phg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Nvl

<220>
<223> C-term NH2

<400> 49
Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 50
<211> 12
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> misc_feature

<222> (2)..(7)

<223> Bridging moiety between residues

<220>

<223> C-term NH2

<400> 50

Met Cys Val Glu Arg Phe Cys Asp Val Tyr Trp Glu
1 5 10

<210> 51

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> NV1

<220>

<221> misc_feature

<222> (2)..(10)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (3)..(3)

<223> Phg

<220>

<221> MOD_RES

<222> (5)..(5)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (11)..(11)

<223> NV1

<220>

<223> C-term NH2

<400> 51

Val Cys Gly Thr Trp Glu Tyr Pro His Cys Val
1 5 10

<210> 52

<211> 10

<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NvI

<220>
<223> C-term NH2

<400> 53
Ala Cys Gly Thr Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 54
<211> 14
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NvI

<220>
<221> misc_feature
<222> (2)..(14)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Phg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NvI

<220>
<223> C-term NH2

<400> 54
Val Cys Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val Cys
1 5 10

<210> 55
 <211> 12
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(9)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (2)..(2)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Ser

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> NVI

 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> NVI

 <220>
 <223> C-term NH2

 <400> 55
 Cys Gly Thr Trp Glu Tyr Ser His Cys Val Pro Val
 1 5 10

<210> 56
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NVI

<220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (2)..(2)
 <223> HomoCys

<220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

<220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> Nv1

<220>
 <223> C-term NH2

<400> 56
 Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
 1 5 10

<210> 57
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> Nv1

<220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan

<220>

<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Nv1

<220>
<223> C-term NH2

<400> 57
Val Ser Ala Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 58
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(2)
<223> Nv1

<220>
<221> MOD_RES
<222> (4)..(4)
<223> (N-Me)Glu

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Nv1

<220>
<223> C-term NH2

<400> 58
Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 59
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Tbg

<220>
<221> MOD_RES
<222> (6)..(6)
<223> (1-Me)Trp

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Phg

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVI

<220>
<223> C-term NH2

<400> 59
Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 60
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Phg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Tbg

<220>
<223> C-term NH2

<400> 60
Val Cys Tyr Asn Asn Gly Glu Trp Glu Cys Pro Gly Gly
1 5 10

<210> 61
<211> 11
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NV1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NV1

<220>
<223> C-term NH2

<400> 61
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 62
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Nv1

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Nv1

<220>
<223> C-term NH2

<400> 62
Val Ser Tyr Glu Asn Gly Tyr Trp Glu Ala Pro Gly Val
1 5 10

<210> 63
<211> 9
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(9)
<223> Bridging moiety between residues

<220>
<221> MOD_RES

<222> (2)..(2)

<223> Phg

<220>

<221> MOD_RES

<222> (4)..(4)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (7)..(7)

<223> (N-Me)Ser

<220>

<223> C-term NH2

<400> 63

Cys Gly Thr Trp Glu Tyr Ser His Cys
1 5

<210> 64

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> Nv1

<220>

<221> MOD_RES

<222> (6)..(6)

<223> Tbg

<220>

<221> MOD_RES

<222> (8)..(8)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (12)..(12)

<223> Chg

<220>

<221> MOD_RES

<222> (13)..(13)

<223> Nv1

<220>

<223> C-term NH2

<400> 64

Val Ser Tyr Glu Asn Gly Tyr Trp Ala Tyr Pro Gly Val
1 5 10

<210> 65

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

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NVI

 <220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> HomoCys

 <220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> NVI

 <220>
 <223> C-term NH2

 <400> 65
 Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
 1 5 10

 <210> 66
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NvI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (10)..(10)
<223> HomoCys

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVI

<220>
<223> C-term NH2

<400> 66
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 67
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> misc_feature

<220>
 <223> C-term NH2

 <400> 68
 Leu Cys Gly Thr Trp Glu Tyr Ser His Cys Val
 1 5 10

 <210> 69
 <211> 12
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (2)..(2)
 <223> NvI

 <220>
 <221> misc_feature
 <222> (3)..(11)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (9)..(9)
 <223> (N-Me)Ser

 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> NvI

 <220>
 <223> C-term NH2

 <400> 69
 Tyr Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
 1 5 10

 <210> 70
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NvI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (7)..(7)
<223> (3-Cl-Phe)

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NvI

<220>
<223> C-term NH2

<400> 70
Val Cys Gly Thr Trp Glu Phe Ser Ala Cys Val
1 5 10

<210> 71
<211> 13
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NvI

<220>
<221> misc_feature

```

<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Phg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Nvl

<220>
<223> C-term NH2

<400> 71
Val Cys Tyr Glu Asn Gly Tyr Trp Glu Cys Pro Gly Val
1          5          10

<210> 72
<211> 9
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Tbg

<220>
<221> MOD_RES
<222> (4)..(4)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Phg

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Nvl

<220>
<223> C-term NH2

<400> 72

```

Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5

<210> 73
<211> 8
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Tbg

<220>
<221> MOD_RES
<222> (3)..(3)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Phg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> NVI

<220>
<223> C-term NH2

<400> 73
Gly Tyr Trp Glu Tyr Pro Gly Val
1 5

<210> 74
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NvI

<220>
<223> C-term NH2

<400> 74
Val Cys Ala Thr Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 75
<211> 11
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NvI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Chg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NvI

<220>
<223> C-term NH2

<400> 75
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 76
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NVI

<220>
<223> C-term NH2

<400> 76
Val Ser Tyr Glu Asn Gly Tyr Ala Glu Tyr Pro Gly Val
1 5 10

<210> 77
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(2)
<223> NVI

<220>
<221> MOD_RES
<222> (6)..(6)

<223> Tbg
 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> (N-Me)Tyr

 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Chg

 <220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> Nv1

 <220>
 <223> C-term NH2

 <400> 77
 Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10

 <210> 78
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> Nv1

 <220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

 <220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> Nv1

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NV1

<220>
<223> C-term NH2

<400> 78
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val Pro Val
1 5 10

<210> 79
<211> 9
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(9)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Tbg

<220>
<221> MOD_RES
<222> (4)..(4)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (7)..(7)
<223> (N-Me)Ser

<220>
<223> C-term NH2

<400> 79
Cys Gly Tyr Trp Glu Tyr Ser His Cys
1 5

<210> 80
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>

<221> MOD_RES
<222> (1)..(1)
<223> Chg

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVI

<220>
<223> C-term NH2

<400> 80
Gly Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 81
<211> 11
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)

<223> (N-Me)Ser

<220>

<221> MOD_RES

<222> (11)..(11)

<223> NvI

<220>

<223> C-term NH2

<400> 81

Val Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 82

<211> 11

<212> PRT

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> NvI

<220>

<221> misc_feature

<222> (2)..(10)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (3)..(3)

<223> (2-OMe)Phg

<220>

<221> MOD_RES

<222> (5)..(5)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (8)..(8)

<223> (N-Me)Ser

<220>

<221> MOD_RES

<222> (11)..(11)

<223> NvI

<220>

<223> C-term NH2

<400> 82

Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 83

<211> 11

<212> PRT
 <213> Artificial sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NvI

 <220>
 <221> MOD_RES
 <222> (2)..(2)
 <223> HomoCys

 <220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

 <220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> NVI

 <220>
 <223> C-term NH2

 <400> 83
 Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
 1 5 10

 <210> 84
 <211> 11
 <212> PRT
 <213> Artificial sequence

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

 <220>
 <223> N-term Ac

 <220>

<221> MOD_RES
<222> (1)..(1)
<223> NvI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (9)..(9)
<223> D-Ala

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVI

<220>
<223> C-term NH2

<400> 84
Val Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 85
<211> 11
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)

<223> Phg

<220>

<221> MOD_RES

<222> (8)..(8)

<223> (N-Me)Ser

<220>

<221> MOD_RES

<222> (11)..(11)

<223> Nv1

<220>

<223> C-term NH2

<400> 85

Val Cys Gly Thr Ala Glu Tyr Ser His Cys Val
1 5 10

<210> 86

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> Nv1

<220>

<221> misc_feature

<222> (2)..(10)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (3)..(3)

<223> Phg

<220>

<221> MOD_RES

<222> (5)..(5)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (8)..(8)

<223> (N-Me)Ser

<220>

<221> MOD_RES

<222> (11)..(11)

<223> Nv1

<220>

<223> C-term NH2

<400> 86

Val Cys Gly Thr Trp Ala Tyr Ser His Cys Val

1

5

10

<210> 87
 <211> 11
 <212> PRT
 <213> Artificial sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NvI

<220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

<220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> NvI

<220>
 <223> C-term NH2

<400> 87
 Val Cys Gly Thr Trp Glu Ala Ser His Cys Val
 1 5 10

<210> 88
 <211> 11
 <212> PRT
 <213> Artificial sequence

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

<220>
 <221> misc_feature
 <222> (2)..(7)
 <223> Bridging moiety between residues

<220>
 <223> C-term NH2
 <400> 88
 Met Cys Val Glu Arg Phe Cys Asp Val Tyr Trp
 1 5 10

<210> 89
 <211> 10
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> Nv1

<220>
 <221> misc_feature
 <222> (2)..(9)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> Nv1

<220>
 <223> C-term NH2

<400> 89
 Val Cys Gly Thr Trp Glu Tyr Ser Cys Val
 1 5 10

<210> 90
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

<220>
<223> N-term heptanoyl

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVl

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVl

<220>
<223> C-term NH2

<400> 90
Val Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 91
<211> 14
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVl

<220>
<221> misc_feature
<222> (5)..(13)
<223> Bridging moiety between residues

<220>
<221> MOD_RES

<222> (6)..(6)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Chg

 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> NVI

 <220>
 <223> C-term NH2

 <400> 91
 Val Ser Tyr Glu Cys Gly Tyr Trp Glu Tyr Pro Gly Cys Val
 1 5 10

 <210> 92
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NVI

 <220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

 <220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> NVI

 <220>
 <223> C-term NH2

 <400> 92

Val Cys Gly Thr Phe Glu Tyr Ser Ala Cys Val
 1 5 10

<210> 93
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> Nv1

<220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (Homo)Phe

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

<220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> Nv1

<220>
 <223> C-term NH2

<400> 93
 Val Cys Gly Thr Trp Glu Phe Ser Ala Cys Val
 1 5 10

<210> 94
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NvI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Aib

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NvI

<220>
<223> C-term NH2

<400> 94
Val Cys Gly Xaa Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 95
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NvI

<220>
<221> misc_feature

<222> (2)..(10)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Tiq

 <220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

 <220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> NvI

 <220>
 <223> C-term NH2

 <400> 95
 Val Cys Xaa Thr Trp Glu Tyr Ser His Cys Val
 1 5 10

<210> 96
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NvI

<220>
 <221> misc_feature
 <222> (2)..(11)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> (N-Me)Ser

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> 4-F-(N-Me)Phe

<220>
 <221> MOD_RES

<222> (7)..(7)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (9)..(9)
<223> 4-F-(N-Me)Phe

<220>
<223> C-term NH2

<400> 96
Val Cys Tyr Ser Gly Phe Ser His Phe Gly Cys
1 5 10

<210> 97
<211> 11
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NV1

<220>
<221> MOD_RES
<222> (2)..(2)
<223> HomoCys

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (10)..(10)
<223> HomoCys

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NV1

<220>
<223> C-term NH2

<400> 97
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 98
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> MOD_RES
<222> (2)..(2)
<223> HomoCys

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (10)..(10)
<223> HomoCys

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVI

<220>
<223> C-term NH2

<400> 98
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 99
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Nvl

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Phg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Tbg

<220>
<223> C-term NH2

<400> 99
Val Cys Tyr Asn Asn Gly Glu Trp Glu Cys Pro Gly Gly
1 5 10

<210> 100
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES

<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (4)..(4)
<223> D-Ala

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVI

<220>
<223> C-term NH2

<400> 100
Val Cys Gly Ala Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 101
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (5)..(5)
<223> (N-Me)Gly

<220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan

<220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> NV1

<220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> NV1

<220>
 <223> C-term NH2

<400> 101
 Val Cys Tyr Glu Gly Gly Tyr Trp Glu Cys Val Pro Val
 1 5 10

<210> 102
 <211> 13
 <212> PRT
 <213> Artificial sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NV1

<220>
 <221> misc_feature
 <222> (2)..(13)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> (N-Me)Gly

<220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> 7-azatryptophan

<220>

<221> MOD_RES
 <222> (10)..(11)
 <223> NV1

 <220>
 <223> C-term NH2

 <400> 102
 Val Cys Tyr Glu Gly Gly Tyr Trp Glu Val Val Pro Cys
 1 5 10

 <210> 103
 <211> 13
 <212> PRT
 <213> Artificial sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NV1

 <220>
 <221> misc_feature
 <222> (2)..(8)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> NV1

 <220>
 <223> C-term NH2

 <400> 103
 Val Cys Tyr Glu Asn Gly Tyr Cys Glu Tyr Pro Gly Val
 1 5 10

 <210> 104
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> 7-azatryptophan

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (9)..(9)
 <223> NVI

<220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> NVI

<220>
 <223> C-term NH2

<400> 104
 Tyr Pro Tyr Cys Gly Trp Gly Glu Val Asn Tyr Val Glu
 1 5 10

<210> 105
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NVI

<220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVI

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NVI

<400> 105
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val Pro Val
1 5 10

<210> 106
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVI

<220>
<223> C-term NH2

<400> 106

Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
1 5 10

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

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

<220>
<221> misc_feature
<222> (2)..(7)
<223> Bridging moiety between residues

<220>
<223> C-term NH2

<400> 107
Met Cys Val Glu Arg Phe Cys Asp Val Tyr
1 5 10

<210> 108
<211> 9
<212> PRT
<213> Artificial Sequence

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

<220>
<221> misc_feature
<222> (2)..(7)
<223> Bridging moiety between residues

<220>
<223> C-term NH2

<400> 108
Met Cys Val Glu Arg Phe Cys Asp Val
1 5

<210> 109
<211> 7
<212> PRT
<213> Artificial Sequence

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

<220>
<221> misc_feature
<222> (2)..(7)
<223> Bridging moiety between residues

<220>
<223> C-term NH2

<400> 109
Met Cys Val Glu Arg Phe Cys
1 5

<210> 110
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(11)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (4)..(4)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Phg

<220>
<221> MOD_RES
<222> (6)..(6)
<223> 4-F-(N-Me)Phe

<220>
<221> MOD_RES
<222> (7)..(7)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (9)..(9)
<223> 4-F-(N-Me)Phe

<220>
<221> MOD_RES
<222> (10)..(10)
<223> (N-Me)Gly

<220>
<223> C-term NH2

<400> 110
Val Cys Tyr Ser Gly Phe Ser His Phe Gly Cys
1 5 10

<210> 111
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(9)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Tbg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Phg

<220>
<221> MOD_RES
<222> (7)..(7)
<223> (N-Me)Gly

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Phg

<220>
<221> MOD_RES
<222> (11)..(11)
<223> (N-Me)Ala

<220>
<223> C-term NH2

<400> 111
Val Cys Tyr Gly Gly Asn Gly Leu Cys Gly Ala
1 5 10

<210> 112
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<221> misc_feature
<222> (1)..(11)
<223> Bicyclic peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Tbg

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Phg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (9)..(9)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Tbg

<220>
<223> C-term NH2

<400> 112
Val Cys Cys Asn Gly Gly Cys Gly Ser Cys Gly
1 5 10

<210> 113
<211> 5
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Tbg

<220>
<221> MOD_RES
<222> (3)..(3)
<223> 7-azatryptophan

<220>
<223> C-term NH2

<400> 113
Gly Tyr Trp Glu Tyr
1 5

<210> 114
<211> 5
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (2)..(2)
<223> 7-azatryptophan

<220>
<223> C-term NH2

<400> 114
Tyr Trp Glu Tyr Pro
1 5

<210> 115
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Tbg

<220>
<221> MOD_RES
<222> (6)..(6)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (7)..(7)
<223> (N-Me)Glu

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Phg

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NV1

<220>
<223> C-term NH2

<400> 115
Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

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

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

 <220>
 <223> N-term heptanoyl

 <220>
 <221> misc_feature
 <222> (1)..(9)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (2)..(2)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Ser

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> Nvl

 <220>
 <223> C-term NH2

 <400> 116
 Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
 1 5 10

<210> 117
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> Nvl

 <220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NV1

<220>
<223> C-term NH2

<400> 117
Val Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 118
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NV1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> (5-F)Trp

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NV1

<220>

<223> C-term NH2

<400> 118

Val Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 119

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)

<223> NVI

<220>

<221> misc_feature

<222> (2)..(10)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (5)..(5)

<223> 7-azatryptophan

<220>

<221> MOD_RES

<222> (8)..(8)

<223> (N-Me)Ser

<220>

<221> MOD_RES

<222> (11)..(11)

<223> NVI

<220>

<223> C-term NH2

<400> 119

Val Cys Phe Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 120

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> MOD_RES

<222> (1)..(1)
<223> NV1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> D-Chg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NV1

<220>
<223> C-term NH2

<400> 120
Val Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 121
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term AC

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Tbg

<220>
<221> MOD_RES
<222> (6)..(6)
<223> (5-MeO)Trp

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Phg

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NV1

<220>
 <223> C-term NH2

<400> 121
 Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10

<210> 122
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> Nv1

<220>
 <221> misc_feature
 <222> (2)..(10)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> 7-azatryptophan

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> (N-Me)Ser

<220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> Nv1

<220>
 <223> C-term NH2

<400> 122
 Val Cys Gly Thr Trp Asp Tyr Ser Ala Cys Val
 1 5 10

<210> 123
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

<220>
<223> N-term AC

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NV1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NV1

<220>
<223> C-term NH2

<400> 123
Val Cys Gly Thr Trp Gln Tyr Ser Ala Cys Val
1 5 10

<210> 124
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term AC

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NV1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES

<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVI

<220>
<223> C-term NH2

<400> 124
Val Cys Gly Thr Trp Asn Tyr Ser Ala Cys Val
1 5 10

<210> 125
<211> 12
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (12)..(12)
<223> NVI

```

<220>
<223> C-term NH2

<400> 125
Val Cys Gly Thr Trp Glu Tyr Ser His Gly Cys Val
1          5          10

<210> 126
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Nv1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 1-Me-Trp

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Nv1

<220>
<223> C-term NH2

<400> 126
Val Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1          5          10

<210> 127
<211> 11
<212> PRT
<213> Artificial Sequence

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

```

<220>
<223> N-term AC

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Tbg

<220>
<221> MOD_RES
<222> (6)..(6)
<223> D-Trp

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Phg

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NVl

<220>
<223> C-term NH2

<400> 127
Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 128
<211> 10
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term AC

<220>
<221> MOD_RES
<222> (5)..(5)
<223> D-Trp

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Phg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> NVl

<220>
<223> C-term NH2

<400> 128
Tyr Glu Asn Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 129
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> 7-azatryptophan

 <220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> D-Glu

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> Nv1

 <220>
 <223> C-term NH2

 <400> 129
 Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10

 <210> 130
 <211> 11
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <223> C-term NH2

<400> 130
Cys Val Glu Arg phe Cys Val Tyr Trp Glu Phe
1 5 10

<210> 131
<211> 9
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<223> C-term NH2

<400> 131
Cys Val Glu Arg phe Cys Trp Glu Phe
1 5

<210> 132
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Phg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Tbg

<220>
<223> C-term NH2

<400> 132

Val Cys Tyr Asn Asn Gly Glu Cys Glu Tyr Pro Gly Gly
 1 5 10

<210> 133
 <211> 13
 <212> PRT
 <213> Artificial sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> NVI

<220>
 <221> misc_feature
 <222> (2)..(8)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Phg

<220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> Tbg

<220>
 <223> C-term NH2

<400> 133
 Val Cys Tyr Asn Asn Gly Glu Cys Glu Tyr Pro Gly Gly
 1 5 10

<210> 134
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> MOD_RES
 <222> (1)..(2)
 <223> NVI

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Tbg

<220>
<221> MOD_RES
<222> (7)..(7)
<223> (N-Me)Tyr

<220>
<221> MOD_RES
<222> (8)..(8)
<223> 7-azatryptophan

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Chg

<220>
<221> MOD_RES
<222> (13)..(13)
<223> NVI

<220>
<223> C-term NH2

<400> 134
Val Val Tyr Glu Asn Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 135
<211> 11
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NVI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Asp(T)

<220>
<221> MOD_RES

<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Nv1

<220>
<223> C-term NH2

<400> 135
Val Cys Gly Thr Trp Xaa Tyr Ser His Cys Val
1 5 10

<210> 136
<211> 11
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Nv1

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> D-Trp

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Nv1

<220>
<223> C-term NH2

<400> 136
Val Cys Gly Thr Trp Glu Tyr Ser His Cys Val
1 5 10

<210> 137

```

<211> 11
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term heptanoyl

<220>
<221> MOD_RES
<222> (1)..(1)
<223> NvI

<220>
<221> misc_feature
<222> (2)..(10)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (3)..(3)
<223> D-Phg

<220>
<221> MOD_RES
<222> (5)..(5)
<223> azaTrp

<220>
<221> MOD_RES
<222> (8)..(8)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (11)..(11)
<223> NvI

<220>
<223> C-term NH2

<400> 137
val Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1      5      10

<210> 138
<211> 10
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term heptanoyl

<220>
<221> misc_feature
<222> (1)..(9)
<223> Bridging moiety between residues

```

<220>
<221> MOD_RES
<222> (2)..(2)
<223> D-Phg

<220>
<221> MOD_RES
<222> (4)..(4)
<223> azaTrp

<220>
<221> MOD_RES
<222> (7)..(7)
<223> (N-Me)Ser

<220>
<221> MOD_RES
<222> (10)..(10)
<223> NVl

<220>
<223> C-term NH2

<400> 138
Cys Gly Thr Trp Glu Tyr Ser Ala Cys Val
1 5 10

<210> 139
<211> 12
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<223> C-term NH2

<400> 139
Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Phe
1 5 10

<210> 140
<211> 12
<212> PRT
<213> Artificial Sequence

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

<220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (2)..(2)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

 <220>
 <223> C-term NH2

 <400> 140
 Cys Gly Glu Arg Phe Cys Asp Gly Tyr Trp Glu Phe
 1 5 10

 <210> 141
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <223> C-term NH2

 <400> 141
 Cys Val Glu Arg Phe Cys Asp Val Tyr Trp Glu Tyr Pro
 1 5 10

 <210> 142
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature

<222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <223> C-term NH2

 <400> 142
 Cys Val Glu Arg Phe Cys Asp Val Tyr Trp Glu Phe Pro
 1 5 10

 <210> 143
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term AC

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

 <220>
 <223> C-term NH2

 <400> 143
 Cys Val Glu Arg Phe Cys Asp Val Tyr Trp Glu Tyr Pro
 1 5 10

 <210> 144
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term AC

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

 <220>
 <223> C-term NH2

<400> 144
Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro
1 5 10

<210> 145
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NVl

<220>
<223> C-term NH2

<400> 145
Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 146
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> D-Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NVI

<220>
<223> C-term NH2

<400> 146
Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 147
<211> 12
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term AC

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Tbg

<220>
<223> C-term NH2

<400> 147
Cys Gly Glu Arg Phe Cys Asp Val Tyr Trp Glu Phe
1 5 10

<210> 148
<211> 13
<212> PRT
<213> Artificial Sequence

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

<220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> Propargyl-Gly

 <220>
 <223> C-term NH2

 <400> 148
 Cys Val Glu Arg Phe Cys Asp Val Tyr Trp Glu Phe Gly
 1 5 10

<210> 149
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NV1

 <220>
 <223> C-term NH2

 <400> 149
 Cys Ala Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10 15

<210> 150
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> D-Phg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NV1

<220>
 <223> C-term NH2

<400> 150
 Cys Ala Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10 15

<210> 151
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (14)..(14)

<223> Phg
 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NVl
 <220>
 <223> C-term NH2
 <400> 151
 Cys Val Ala Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10 15
 <210> 152
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 peptide
 <220>
 <223> N-term Ac
 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues
 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg
 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp
 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> D-Phg
 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NVl
 <220>
 <223> C-term NH2
 <400> 152
 Cys Val Ala Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10 15
 <210> 153
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic

peptide

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Chg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NVI

<220>
<223> C-term NH2

<400> 153
Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 154
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>

<221> MOD_RES
 <222> (14)..(14)
 <223> Phg

 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NVl

 <220>
 <223> C-term NH2

 <400> 154
 Cys Val Glu Ala Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10 15

<210> 155
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> D-Phg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NVl

<220>
 <223> C-term NH2

<400> 155
 Cys Val Glu Ala Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10 15

<210> 156
 <211> 15
 <212> PRT
 <213> Artificial Sequence

```

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NVl

<220>
<223> C-term NH2

<400> 156
Cys Val Glu Arg Ala Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1      5      10      15

<210> 157
<211> 15
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

```

<220>
<221> MOD_RES
<222> (14)..(14)
<223> D-Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Nvl

<220>
<223> C-term NH2

<400> 157
Cys Val Glu Arg Ala Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 158
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Nvl

<220>
<223> C-term NH2

<400> 158
Cys Val Glu Arg Phe Cys Ala Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 159
<211> 15
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> misc_feature

<222> (1)..(6)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (8)..(8)

<223> Tbg

<220>

<221> MOD_RES

<222> (10)..(10)

<223> azaTrp

<220>

<221> MOD_RES

<222> (14)..(14)

<223> D-Phg

<220>

<221> MOD_RES

<222> (15)..(15)

<223> NV1

<220>

<223> C-term NH2

<400> 159

Cys Val Glu Arg phe Cys Ala Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 160

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> misc_feature

<222> (1)..(6)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (1)..(1)

<223> (des-amino)Cys

<220>

<221> MOD_RES

<222> (8)..(8)

<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NVl

<220>
<223> C-term NH2

<400> 160
Cys val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 161
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (1)..(1)
<223> (des-amino)Cys

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> D-Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NVl

<220>
<223> C-term NH2

<400> 161
Cys val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly val
108

1	5	10	15
---	---	----	----

<210> 162
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Phg

 <220>
 <223> C-term NH2

 <400> 162
 Cys Ala Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

<210> 163
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

 <220>

<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> D-Phg

<220>
<223> C-term NH2

<400> 163
Cys Ala Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
1 5 10 15

<210> 164
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> cyclic

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Nvl

<220>
<223> C-term NH2

<400> 164
Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 165
<211> 15
<212> PRT
<213> Artificial Sequence

```

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Lys-C12

<220>
<223> C-term NH2

<400> 165
Cys Ala Glu Arg phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
1      5      10      15

<210> 166
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

```

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Lys-C10

<220>
<223> C-term NH2

<400> 166
Cys Ala Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
1 5 10 15

<210> 167
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term AC

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Phg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Lys-C8

<220>
<223> C-term NH2

<400> 167
Cys Ala Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
1 5 10 15

<210> 168
<211> 15
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> misc_feature

<222> (1)..(6)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (7)..(7)

<223> (alpha-methyl)Asp

<220>

<221> MOD_RES

<222> (8)..(8)

<223> Tbg

<220>

<221> MOD_RES

<222> (10)..(10)

<223> azaTrp

<220>

<221> MOD_RES

<222> (14)..(14)

<223> Chg

<220>

<221> MOD_RES

<222> (15)..(15)

<223> NV1

<220>

<223> C-term NH2

<400> 168

Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 169

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> misc_feature

<222> (1)..(6)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (7)..(7)
<223> Asp(T)

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Chg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NV1

<220>
<223> C-term NH2

<400> 169
Cys Val Glu Arg Phe Cys Xaa Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 170
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> cyclic

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Chg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NV1

<220>
 <223> C-term NH2

<400> 170
 Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10 15

<210> 171
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Phg

<400> 171
 Cys Ala Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

<210> 172
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (8)..(8)

<223> Tbg
 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp
 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Phg
 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> Lys-C12
 <400> 172
 Cys Ala Glu Arg phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15
 <210> 173
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 peptide
 <220>
 <223> N-term Ac
 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues
 <220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp
 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg
 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp
 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg
 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NVI
 <220>
 <223> C-term NH2

<400> 173
Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 174
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> cyclic

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Chg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NVI

<400> 174
Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 175
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> cyclic

<220>
<221> MOD_RES

<222> (7)..(7)
<223> Asp(T)

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Chg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NVI

<400> 175
Lys Val Glu Arg Phe Asp Xaa Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 176
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> cyclic

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Chg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> N-epsilon-(PEG2-gamma-glutamic acid-N-alpha-octadecanedioic acid) lysine

<400> 176

Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

<210> 177
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> cyclic

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> Nvl

<400> 177
 Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10 15

<210> 178
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (8)..(8)

<223> Tbg

<220>

<221> MOD_RES

<222> (10)..(10)

<223> azaTrp

<220>

<221> MOD_RES

<222> (14)..(14)

<223> Chg

<220>

<221> MOD_RES

<222> (15)..(15)

<223> NVl

<400> 178

Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Trp Pro Gly Val
1 5 10 15

<210> 179

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<223> N-term Ac

<220>

<221> misc_feature

<222> (1)..(6)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (8)..(8)

<223> Tbg

<220>

<221> MOD_RES

<222> (10)..(10)

<223> azaTrp

<220>

<221> MOD_RES

<222> (12)..(12)

<223> (homo)Phe

<220>

<221> MOD_RES

<222> (14)..(14)

<223> Chg

<220>

<221> MOD_RES

<222> (15)..(15)

<223> NV1
 <400> 179
 Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Phe Pro Gly Val
 1 5 10 15

 <210> 180
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

 <220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> (m-Cl-homo)Phe

 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NV1

 <400> 180
 Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Phe Pro Gly Val
 1 5 10 15

 <210> 181
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> 2NaI

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NVI

<400> 181
 Cys Val Glu Arg phe Cys Asp Gly Tyr Trp Glu Ala Pro Gly Val
 1 5 10 15

<210> 182
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> (3-aminomethyl)Phe

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NV1

 <400> 182
 Cys Val Glu Arg Phe Cys Asp Gly Tyr Phe Glu Tyr Pro Gly Val
 1 5 10 15

<210> 183
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Cyclo-triazolyl linkage between residues

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> (S)-2-amino-5-azidopentanoic acid

<220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> (S)-2-aminopent-4-ynoic acid

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NV1

<400> 183
 Xaa Val Glu Arg Phe Xaa Asp Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10 15

<210> 184
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Cyclic

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> Lys-C16

<400> 184
 Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

<210> 185
 <211> 14
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <221> misc_feature
 <222> (1)..(5)
 <223> Cyclo-thioalkyl linkage between residues

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (9)..(9)
 <223> azaTrp

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Chg

<220>
<221> MOD_RES
<222> (14)..(14)
<223> NvI

<400> 185
Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10

<210> 186
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Cle

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Chg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NvI

<400> 186
Cys Val Glu Arg Phe Cys Leu Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 187
<211> 15
<212> PRT
<213> Artificial Sequence

```

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Ac-Pyran

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (10)..(10)
<223> azaTrp

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Chg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> NVl

<400> 187
Cys Val Glu Arg Phe Cys Xaa Gly Tyr Trp Glu Tyr Pro Gly Val
1      5      10      15

<210> 188
<211> 15
<212> PRT
<213> Artificial sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Bridging moiety between residues

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES

```

<222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> (3-aminomethyl)Phe

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> NvI

<400> 188
 Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Phe Pro Gly Val
 1 5 10 15

<210> 189
 <211> 15
 <212> PRT
 <213> Artificial sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Cyclo-olefinyl linkage between residues

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> (S)-2-aminohept-6-enoic acid

<220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> (S)-2-aminopent-4-enoic acid

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<220>
 <221> MOD_RES

<222> (15)..(15)

<223> NvI

<400> 189

Xaa Val Glu Arg Phe Xaa Asp Gly Tyr Trp Glu Tyr Pro Gly Val
1 5 10 15

<210> 190

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> N-term Ac

<220>

<221> misc_feature

<222> (1)..(6)

<223> Bridging moiety between residues

<220>

<221> MOD_RES

<222> (8)..(8)

<223> Tbg

<220>

<221> MOD_RES

<222> (10)..(10)

<223> azaTrp

<220>

<221> MOD_RES

<222> (14)..(14)

<223> Phg

<220>

<221> MOD_RES

<222> (15)..(15)

<223> Lys-C16

<400> 190

Cys Ala Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
1 5 10 15

<210> 191

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> N-term Ac

<220>

<221> misc_feature

<222> (1)..(6)

<223> Cyclic

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> N-epsilon-(PEG2-gamma-glutamic acid-N-alpha-octadecanedioic acid) lysine

<400> 191
 Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

<210> 192
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> cyclic

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (14)..(14)

<223> Chg
 <400> 192
 Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

 <210> 193
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> cyclic

 <220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

 <220>
 <223> C-term NH2

 <400> 193
 Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

 <210> 194
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature

<222> (1)..(6)
 <223> cyclic

 <220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> N-epsilon-(PEG24-gamma-glutamic acid-N-alpha-hexadecanoyl)lysine

 <400> 194
 Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

 <210> 195
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> cyclic

 <220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

 <220>
 <221> MOD_RES

<222> (14)..(14)
<223> Chg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Lys-C16

<220>
<223> C-term NH2

<400> 195
Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
1 5 10 15

<210> 196
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<221> misc_feature
<222> (1)..(6)
<223> Cyclic

<220>
<221> MOD_RES
<222> (7)..(7)
<223> (N-Me)Asp

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Tbg

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Chg

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Lys-C16

<400> 196
Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
1 5 10 15

<210> 197
<211> 15
<212> PRT
<213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> cyclic

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<400> 197
 Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

<210> 198
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> cyclic

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> N-epsilon-1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)-3-methylbutyl-L-lysine

<400> 198
 Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

<210> 199
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <221> misc_feature
 <222> (1)..(6)
 <223> cyclic

<220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> (desamino)Cys

<220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> Lys-C16

<400> 199
 Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15

<210> 200
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <221> misc_feature
 <222> (1)..(6)

<223> cyclic
 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> (desamino)Cys
 <220>
 <221> MOD_RES
 <222> (2)..(2)
 <223> D-Ala
 <220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp
 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg
 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp
 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg
 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> Lys-C16
 <400> 200
 Cys Ala Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Lys
 1 5 10 15
 <210> 201
 <211> 15
 <212> PRT
 <213> Artificial sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 peptide
 <220>
 <223> N-term Ac
 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Cyclic
 <220>
 <221> MOD_RES
 <222> (7)..(7)
 <223> (N-Me)Asp
 <220>
 <221> MOD_RES
 <222> (8)..(8)

<223> Tbg
 <220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> azaTrp
 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Aib
 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> Lys-C16
 <400> 201
 Lys Val Glu Arg Phe Asp Asp Gly Tyr Trp Glu Tyr Pro Xaa Lys
 1 5 10 15

<210> 202
 <211> 19
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> N-term Ac

<220>
 <223> C-term NH2

<400> 202
 Arg Leu Ile Glu Asp Ile Cys Leu Ile Pro Arg Trp Gly Cys Leu Trp
 1 5 10 15

Glu Asp Asp

<210> 203
 <211> 20
 <212> PRT
 <213> Artificial Sequence

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

<220>
 <223> C-term NH2

<400> 203
 Gln Arg Leu Met Glu Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp
 1 5 10 15

Glu Asp Asp Phe
20

<210> 204
<211> 20
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Ac

<220>
<223> C-term NH2

<400> 204
Gln Arg Leu Ile Glu Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp
1 5 10 15

Glu Asp Asp phe
20

<210> 205
<211> 16
<212> PRT
<213> Artificial Sequence

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

<400> 205
Arg Lys Lys Arg Arg Arg Glu Ser Arg Lys Lys Arg Arg Arg Glu Ser
1 5 10 15

<210> 206
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 206
Arg Lys Lys Arg Arg Gln Arg Arg Arg
1 5

<210> 207
<211> 16
<212> PRT
<213> Artificial Sequence

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

<400> 207
Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
1 5 10 15

<210> 208
 <211> 12
 <212> PRT
 <213> Artificial Sequence

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

 <400> 208
 Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
 1 5 10

 <210> 209
 <211> 5
 <212> PRT
 <213> Artificial Sequence

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

 <400> 209
 Val Pro Thr Leu Lys
 1 5

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

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

 <400> 210
 Pro Leu Ile Leu Leu Arg Leu Leu Arg Gly Gln Phe
 1 5 10

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

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

 <220>
 <223> N-term Ac

 <220>
 <221> misc_feature
 <222> (1)..(6)
 <223> Bridging moiety between residues

 <220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Tbg

 <220>
 <221> MOD_RES
 <222> (10)..(10)

<223> azaTrp
 <220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Chg
 <220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> Nvl
 <400> 211
 Cys Val Glu Arg Phe Cys Asp Gly Tyr Trp Glu Tyr Pro Gly Val
 1 5 10 15
 <210> 212
 <211> 20
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic peptide
 <220>
 <223> N-term may be H, an acetyl group, an acyl group containing a linear or branched, saturated or unsaturated hydrocarbon chain from 1 to 20 carbon atoms, a heptanoyl group, an amide, a carbamate, urea, PEG or hydroxyalkyl starch
 <220>
 <221> MOD_RES
 <222> (1)..(1)
 <223> Met, Nvl or not present
 <220>
 <221> MOD_RES
 <222> (2)..(2)
 <223> (S)-2-amino-5-azidopentanoic acid, (S)-2-aminohept-6-enoic acid, 4-aminobutyric acid, 5-aminopentanoic acid, 5-aminohexanoic acid, ornithine, Lys, homolysine, Glu, Asp, 3-thiopropionic acid, Cys or not present
 <220>
 <221> MOD_RES
 <222> (3)..(3)
 <223> Ala, D-Ala, tertbutyl-Gly, Lys, Ser, Cys, Val or not present
 <220>
 <221> MOD_RES
 <222> (4)..(4)
 <223> Ala, Nvl, Val, Glu or not present
 <220>
 <221> MOD_RES
 <222> (5)..(5)
 <223> Ala, Cys, Arg, Ser, Glu, Phg, Nvl or not present
 <220>
 <221> MOD_RES
 <222> (6)..(6)
 <223> Tyr, Arg, Cys, Phe, N-methyl-tyrosine, Ala or not present
 <220>
 <221> MOD_RES

<222> (7)..(7)
 <223> Glu, N-methyl-glutamic acid, Chg, Lys, Tyr, Pro,
 N-methyl-serine, tertbutyl-glycine, Val, norleucine, Nvl,
 7-azatryptophan, Asn, Asp, (S)-2-aminopent-4-ynoic acid,
 (S)-2-aminopent-4-enoic acid, Cys, Ala or not present

<220>
 <221> MOD_RES
 <222> (8)..(8)
 <223> Asn, N-methyl-Asn, N-methyl-Gly, N-methyl-Ser, homo-Cys, Thr,
 Tyr, Phg, Tbg, alpha-methyl L-Asp, (S)-2-amino-3-(1H-tetrazol-
 5-yl)propanoic acid, N-methyl-Asp, Cle, 4-amino-tetrahydro-
 pyran-4-carboxylic acid, Arg, Glu, Asp, Cys, Ala or not present

<220>
 <221> MOD_RES
 <222> (9)..(9)
 <223> Tbg, Phg, D-Phg, Chg, D-Chg, 1,2,3,4-tetrahydroisoquinoline-
 1-carboxylic acid, Tyr, Tbg, Asn, Cys, N-methyl-4-fluoro-
 phenylalanine, 2-O-methyl-Phg, Phe, Val, Ala or not present

<220>
 <221> MOD_RES
 <222> (10)..(10)
 <223> Tyr, N-methyl-tyrosine, Thr, Glu, Nvl, Lys, Ala, D-Ala, His,
 Cys, Phg, N-methyl-serine, N-methyl-glycine, amino isobutyric
 acid or Arg

<220>
 <221> MOD_RES
 <222> (11)..(11)
 <223> 3-aminomethyl-L-phenylalanine, 7-azatryptophan, N-methyl-
 tryptophan, 1-methyl-tryptophan, 5-fluorotryptophan, Phe,
 D-Trp, 5-methyl-O-tryptophan, Ala, His, Leu, Tbg, Cys or Trp

<220>
 <221> MOD_RES
 <222> (12)..(12)
 <223> Glu, D-Glu, N-methyl-glutamic acid, Asn, Asp, Gln, Tbg,
 Cys, N-methyl-4-fluorophenylalanine, N-methyl-serine,
 (S)-2-amino-3-(1H-tetrazol-5-yl)propanoic acid or Ala

<220>
 <221> MOD_RES
 <222> (13)..(13)
 <223> Trp, homo-Phe, meta-chloro homo-Phe, 2-naphthylalanine,
 3-aminomethyl-L-Phe, Tyr, N-methyl-Tyr, Cys, Phe, Ala, Glu,
 Gly, N-methyl-Gly, Phg, 4-fluoro-Phe, O-methyl-Tyr,
 Homo-Phe, 3-chloro-Phe, Nvl or not present

<220>
 <221> MOD_RES
 <222> (14)..(14)
 <223> Propargyl-glycine, Pro, Ala, N-methyl-glycine, Ser,
 N-methyl-serine, N-methyl-alanine, Nvl, Cys, Tbg
 or not present

<220>
 <221> MOD_RES
 <222> (15)..(15)
 <223> Amino isobutyric acid, Tbg, Cys, Pro, Asn, phenylglycine,
 D-phenylglycine, N-methyl-Phg, Nvl, His, Ala,
 D-Ala, Chg or not present

<220>
 <221> MOD_RES
 <222> (16)..(16)
 <223> Norvaline, Lys, N-epsilon-caprylic lysine, N-epsilon-capryl

lysine, N-epsilon-lauryl lysine, N-epsilon-palmitoyl lysine, Pro, Cys, Tyr, Gly, propargyl-glycine, homoCys, N-methyl-serine, tert-butylglycine or not present

<220>
 <221> MOD_RES
 <222> (17)..(17)
 <223> NvI, Cys, Lys, Ala or not present

<220>
 <221> MOD_RES
 <222> (18)..(18)
 <223> Pro, Glu, NvI or not present

<220>
 <221> MOD_RES
 <222> (19)..(19)
 <223> NvI and may not be present

<220>
 <221> MOD_RES
 <222> (20)..(20)
 <223> N-epsilon-(PEG2-gamma-glutamic acid-N-alpha-octadecanedioic acid) lysine, N-epsilon-(PEG24-gamma-glutamic acid-N-alpha-hexadecanoyl)lysine, N-epsilon-1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)-3-methylbutyl-L-lysine or not present

<220>
 <223> C-term may be NH2 or N(CH3)2 modified

<220>
 <223> See specification as filed for detailed description of substitutions and preferred embodiments

<400> 212
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1 5 10 15

Xaa Xaa Val Lys
 20