SEQUENCE LISTING

<110> Eli Lilly and Company

<120> GIP/GLP1 CO-AGONIST COMPOUNDS

<130> X21852

<150> US 62/702,072
<151> 2018-07-23

<150> US 62/730,563
<151> 2018-09-13

<150> US 62/740,596
<151> 2018-10-03

<160> 396

<170> PatentIn version 3.5

<210> 1
<211> 42
<212> PRT
<213> Homo sapiens

<400> 1

Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
1 5 10 15

Ile His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys Gly Lys
20 25 30

Lys Asn Asp Trp Lys His Asn Ile Thr Gln
35 40

<210> 2
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (30)..(30)
<223> AMIDATION

<400> 2

His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly

1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
20 25 30

<210> 3
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct; Formula I

<220>
<221> VARIANT
<222> (1)..(1)
<223> Xaa at position 1 is selected from the group consisting of Y, H, D-Tyr, F, desH, and desY, or Xaa at position 1 and Xaa at position 2 combine to form desH-psi[NHCO]-Aib

<220>
<221> MOD_RES
<222> (1)..(1)
<223> The N-terminus of Xaa at position 1 is modified with R1, wherein the modification is selected from the group consisting of Ac and absent.

<220>
<221> VARIANT
<222> (2)..(2)
<223> Xaa at position 2 is selected from the group consisting of Aib, alpha-MeP, A, P, and D-Ala, or Xaa at position 1 combines with Xaa at position 2 to form desH-psi[NHCO]-Aib

<220>
<221> VARIANT
<222> (3)..(3)
<223> Xaa at position 3 is selected from the group of E, N, Aad, and cTA

<220>
<221> VARIANT
<222> (6)..(6)
<223> Xaa at position 6 is selected from the group consisting of F, alpha-MeF, and alpha-MeF(2F)

<220>
<221> VARIANT
<222> (10)..(10)
<223> Xaa at position 10 is selected from the group consisting of A, L, H, 3Pal, 4Pal, V, Y, E, alpha-MeF, alpha-MeF(2F), I, alpha-MeY,

Q, D-His, D-Tyr, cTA, and K

<220>
<221> VARIANT
<222> (10)..(10)
<223> when Xaa at position 10 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MISC_FEATURE
<222> (10)..(31)
<223> When Xaa is K(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H at positions 10, 12, 13, 14, 16, 17, 19, 20, 21, 23, 24, 26, 27, 28, 29, 30 or 31, q is 14, 15, 16, 17, 18, 19 or 20.

<220>
<221> VARIANT
<222> (11)..(11)
<223> Xaa at position 11 is selected from the group consisting of S, alpha-MeS, or D-Ser

<220>
<221> VARIANT
<222> (12)..(12)
<223> Xaa at position 12 is selected from the group consisting of I, S, D-Ile, and K

<220>
<221> MOD_RES
<222> (12)..(12)
<223> when Xaa at position 12 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (13)..(13)
<223> Xaa at position 13 is selected from the group consisting of Nle, Aib, L, alpha-MeL, and K

<220>
<221> MOD_RES
<222> (13)..(13)
<223> when Xaa at position 13 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT

<222> (14)..(14)
<223> Xaa at position 14 is selected from the group consisting of L and K, wherein K is conjugated to a C16-C22 fatty acid wherein said fatty acid is optionally conjugated to said K via a linker

<220>
<221> VARIANT
<222> (16)..(16)
<223> Xaa at position 16 is selected from the group consisting of E, Orn, Dab, Dap, S, T, H, Aib, alpha-MeK, R, and K

<220>
<221> MOD_RES
<222> (16)..(16)
<223> when Xaa at position 16 is K, then K is optionally chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (17)..(17)
<223> Xaa at position 17 is selected from the group consisting of K, Q, I, and an amino acid conjugated to a C16-C22 fatty acid wherein said fatty acid is optionally conjugated to said amino acid via a linker

<220>
<221> VARIANT
<222> (19)..(19)
<223> Xaa at position 19 is selected from the group consisting of Q, A, and K

<220>
<221> MOD_RES
<222> (19)..(19)
<223> when Xaa at position 19 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (20)..(20)
<223> Xaa at position 20 is selected from the group consisting of Aib, Q, H, R, K, and alpha-MeK

<220>
<221> MOD_RES
<222> (20)..(20)
<223> when Xaa at position 20 is K, then K is optionally chemically modified by conjugation of the epsilon-amino group of the K side

chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (21)..(21)
<223> Xaa at position 21 is selected from the group consisting of H, Aad, D, Aib, T, A, E, I, and K

<220>
<221> MOD_RES
<222> (21)..(21)
<223> when Xaa at position 21 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with K(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO 2H

<220>
<221> VARIANT
<222> (22)..(22)
<223> Xaa at position 22 is selected from the group consisting of F and alpha-MeF

<220>
<221> VARIANT
<222> (23)..(23)
<223> Xaa at position 23 is selected from the group consisting of I, L, A, G, F, H, E, V, and K

<220>
<221> MOD_RES
<222> (23)..(23)
<223> when Xaa at position 23 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with K(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO 2H

<220>
<221> VARIANT
<222> (24)..(24)
<223> Xaa at position 24 is selected from the group consisting of S, Aad, D-Glu, E, Aib, H, V, A, Q, D, P, and K

<220>
<221> MOD_RES
<222> (24)..(24)
<223> when Xaa at position 24 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with K(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO 2H

<220>
<221> VARIANT

<222> (25)..(25)
<223> Xaa at position 25 is selected from the group consisting of Y or alpha-MeY

<220>
<221> VARIANT
<222> (26)..(26)
<223> Xaa at position 26 is selected from the group consisting of L, alpha-MeL, and K

<220>
<221> MOD_RES
<222> (26)..(26)
<223> when Xaa at position 26 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (27)..(27)
<223> Xaa at position 27 is selected from the group consisting of L, I, and K

<220>
<221> MOD_RES
<222> (27)..(27)
<223> when Xaa at position 27 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (28)..(28)
<223> Xaa at position 28 is selected from the group consisting of E, A, S, D-Glu, and K

<220>
<221> MOD_RES
<222> (28)..(28)
<223> when Xaa at position 28 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (29)..(29)
<223> Xaa at position 29 is selected from the group consisting of Aib, G, A, and K

<220>
<221> MOD_RES

<222> (29)..(29)
<223> when Xaa at position 29 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (30)..(30)
<223> Xaa at position 30 is selected from the group consisting of C, G, G-R2, and K, wherein R2 is a modification of the C-terminal group, wherein the modification is NH2 or absent, wherein if X30 is G-R2, then X31 is absent.

<220>
<221> MOD_RES
<222> (30)..(30)
<223> when Xaa at position 30 is K, then K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (31)..(31)
<223> Xaa at position 31 is absent or is selected from the group consisting of SEQ ID NO:4, SEQ ID NO:5, SEQ ID:6, SEQ ID NO:7, SEQ ID NO:8, and SEQ ID NO:9

<220>
<221> MISC_FEATURE
<222> (31)..(31)
<223> wherein no more than one of X10, X12, X13, X14, X16, X17, X19, X20, X21, X23, X24, X26, X27, X28, X29, X30, X31, X32, X33, X34, X35, X36, X37, X38, X39, and X40 may be a substituent that contains a fatty acid

<220>
<221> MISC_FEATURE
<222> (31)..(31)
<223> wherein no more than one of X30, X34, X39, and X40 may be C

<220>
<221> MISC_FEATURE
<222> (31)..(31)
<223> wherein if one of X30, X34, X39, and X40 is C, then none of X10, X12, X13, X14, X16, X17, X19, X20, X21, X23, X24, X26, X27, X28, X29, X30, X31, X32, X33, X34, X35, X36, X37, X38, X39, and X40 is a substituent that contains a fatty acid

<220>
<221> MOD_RES
<222> (31)..(31)
<223> Xaa at position 31 is modified with R2, wherein the modification

is NH2 to form a C-terminal amide or absent

<400> 3

Xaa Xaa Xaa Gly Thr Xaa Thr Ser Asp Xaa Xaa Xaa Xaa Xaa Asp Xaa
1 5 10 15

Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25 30

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

<220>
<223> Synthetic construct; SEQ ID NO:4 is PX32X33X34

<220>
<221> VARIANT
<222> (2)..(2)
<223> Xaa at position 2 is S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MISC_FEATURE
<222> (2)..(4)
<223> wherein q is selected from the group consisting of 14, 15, 16, 17, 18, 19, and 20.

<220>
<221> VARIANT
<222> (3)..(3)
<223> Xaa at position 3 is S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (4)..(4)
<223> Xaa at position 4 is G, C or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MOD_RES

<222> (4)..(4)
<223> The C-terminal group of Xaa at position 4 is modified with R2, wherein the modification is NH2 to form a C-terminal amide or absent

<400> 4

Pro Xaa Xaa Xaa
1

<210> 5
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct; SEQ ID NO:5 is PX32X33X34X35X36X37X38X39

<220>
<221> VARIANT
<222> (2)..(2)
<223> Xaa at position 2 is S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MISC_FEATURE
<222> (2)..(9)
<223> wherein q is selected from the group consisting of 14, 15, 16, 17, 18, 19, and 20.

<220>
<221> VARIANT
<222> (3)..(3)
<223> Xaa at position 3 is S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (4)..(4)
<223> Xaa at position 4 is G, C or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (5)..(5)

<223> Xaa at position 5 is A or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (6)..(6)
<223> Xaa at position 6 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (7)..(7)
<223> Xaa at position 7 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (8)..(8)
<223> Xaa at position 8 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (9)..(9)
<223> Xaa at position 9 is C, S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MOD_RES
<222> (9)..(9)
<223> The C-terminal group of Xaa at position 9 is modified with R2, wherein the modification is NH2 to from a C-terminal amide or absent

<400> 5

Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 6
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic Construct; SEQ ID NO:6 is PX32X33X34X35X36X37X38X39X40

<220>
<221> VARIANT
<222> (2)..(2)
<223> Xaa at position 2 is S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MISC_FEATURE
<222> (2)..(10)
<223> wherein q is selected from the group consisting of 14, 15, 16, 17, 18, 19, and 20.

<220>
<221> VARIANT
<222> (3)..(3)
<223> Xaa at position 3 is S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (4)..(4)
<223> Xaa at position 4 is G, C or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (5)..(5)
<223> Xaa at position 5 is A or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (6)..(6)
<223> Xaa at position 6 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>

<221> VARIANT
<222> (7)..(7)
<223> Xaa at position 7 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with K(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (8)..(8)
<223> Xaa at position 8 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with K(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (9)..(9)
<223> Xaa at position 9 is C, S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (10)..(10)
<223> Xaa at position 10 is C or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MOD_RES
<222> (10)..(10)
<223> The C-terminal group of Xaa at position 10 is modified with R2, wherein the modification is NH2 to form a C-terminal amide or absent

<400> 6

Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10

<210> 7
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct; SEQ ID NO:7 is K[(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2 H]X32X33X34

<220>
<221> MOD_RES
<222> (1)..(1)
<223> K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> wherein q is selected from the group consisting of 14, 15, 16, 17, 18, 19, and 20

<220>
<221> VARIANT
<222> (2)..(2)
<223> Xaa at position 2 is S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (3)..(3)
<223> Xaa at position 3 is S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (4)..(4)
<223> Xaa at position 4 is G, C or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MOD_RES
<222> (4)..(4)
<223> The C-terminal group of Xaa at position 4 is modified with R2, wherein the modification is NH2 to form a C-terminal amide or absent

<400> 7

Lys Xaa Xaa Xaa
1

<210> 8
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct; SEQ ID NO:8 is
K[(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-C
O2H]X32X33X34X35X36X37X38X39

<220>
<221> MOD_RES
<222> (1)..(1)
<223> K is chemically modified by conjugation of the epsilon-amino
group of the K side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2
H

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> wherein q is selected from the group consisting of 14, 15, 16,
17, 18, 19, and 20

<220>
<221> VARIANT
<222> (2)..(2)
<223> Xaa at position 2 is S or K, wherein K is chemically modified by
conjugation of the epsilon-amino group of the K side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2
H

<220>
<221> VARIANT
<222> (3)..(3)
<223> Xaa at position 3 is S or K, wherein K is chemically modified by
conjugation of the epsilon-amino group of the K side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2
H

<220>
<221> VARIANT
<222> (4)..(4)
<223> Xaa at position 4 is G, C or K, wherein K is chemically modified
by conjugation of the epsilon-amino group of the K side chain
with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (5)..(5)
<223> Xaa at position 5 is A or K, wherein K is chemically modified by

conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (6)..(6)
<223> Xaa at position 6 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (7)..(7)
<223> Xaa at position 7 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (8)..(8)
<223> Xaa at position 8 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (9)..(9)
<223> Xaa at position 9 is C, S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2

<220>
<221> MOD_RES
<222> (9)..(9)
<223> The C-terminal group of Xaa at position 9 is modified with R2, wherein the modification is NH2 to form a C-terminal amide or absent

<400> 8

Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 9
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct; SEQ ID NO:9 is K[(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H]X32X33X34X35X36X37X38X39X40

<220>
<221> MOD_RES
<222> (1)..(1)
<223> K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> wherein q is selected from the group consisting of 14, 15, 16, 17, 18, 19, and 20

<220>
<221> VARIANT
<222> (2)..(2)
<223> Xaa at position 2 is S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (3)..(3)
<223> Xaa at position 3 is S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (4)..(4)
<223> Xaa at position 4 is G, C or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (5)..(5)
<223> Xaa at position 5 is A or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (6)..(6)
<223> Xaa at position 6 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (7)..(7)
<223> Xaa at position 7 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (8)..(8)
<223> Xaa at position 8 is P or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (9)..(9)
<223> Xaa at position 9 is C, S or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> VARIANT
<222> (10)..(10)
<223> Xaa at position 10 is C or K, wherein K is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2

-(gamma-Glu)-CO-(CH2)q-CO2H

<220>
<221> MOD_RES
<222> (10)..(10)
<223> The C-terminal group of Xaa at position 10 is modified with R2, wherein the modification is NH2 to form a C-terminal amide or absent

<400> 9

Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10

<210> 10
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-MeF(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-MeL

<220>
<221> MOD_RES
<222> (17)..(17)
<223> K at position 17 is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> The Serine at position 39 is amidated

<400> 10

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-MeF(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-MeL

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> K at position 17 is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> The Serine at position 39 is amidated

<400> 11

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 12
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-MeF(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-MeL

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> K at position 17 is chemically modified by conjugation of the epsilon-amino group of the K side chain with

(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (39)..(39)
<223> The Serine at position 39 is amidated

<400> 12

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 13
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-MeF(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)

<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-MeL

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> K at position 17 is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-MeY

<220>
<221> MOD_RES
<222> (39)..(39)
<223> The Serine at position 39 is amidated

<400> 13

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 14
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-MeF(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-MeL

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> K at position 17 is chemically modified by conjugation of the epsilon-amino group of the K side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-MeY

<220>
<221> MOD_RES

<222> (39)..(39)
<223> The Serine at position 39 is amidated

<400> 14

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Val Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 15
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 15

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 16
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 16

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Ser
1   5   10   15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 17
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 17

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 18
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 18

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Ser
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 19
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>

<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (24)..(24)
<223> Lys at position 24 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa at position 29 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 19

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Ser
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Lys Tyr Leu Leu Ala Xaa Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 20
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (28)..(28)
<223> Lys at position 28 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa at position 29 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 20

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Ser
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 21
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (20)..(20)
<223> Lys at position 20 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 21

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 22
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Aib

<220>
<221> MOD_RES
<222> (20)..(20)
<223> Lys at position 20 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 22

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 23
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (20)..(20)
<223> Lys at position 20 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa at position 29 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 23

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa at position 29 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 24

His Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 25
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa at position 29 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 25

His Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 26
<211> 34

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (20)..(20)
<223> Lys at position 20 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa at position 29 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Ser at position 34 is amidated

<400> 26

His Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 27
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-L

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with Dab-(2-[2-(2-Amino-ethoxy)-ethoxy]-acetyl)-Dab-(2-[2-(2-Amino-ethoxy)-ethoxy]-acetyl)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is alpha-methyl-Lys

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa at position 29 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 27

His Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Gln Tyr Leu Leu Ala Xaa Gly Pro Ser
20 25 30

Ser Gly Ala Pro Lys Pro Ser
35

<210> 28
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with Dab-(2-[2-(2-Amino-ethoxy)-ethoxy]-acetyl)-Dab-(2-[2-(2-Amino-ethoxy)-ethoxy]-acetyl)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is alpha-methyl-Lys

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa at position 29 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 28

His Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Gln Tyr Leu Leu Ala Xaa Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 29
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 29

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 30
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is alpha-methyl-Lys

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 30

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 31
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)

<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is alpha-methyl-Lys

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa at position 29 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 31

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 32
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Lys at position 10 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 32

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Lys Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 33
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Lys at position 11 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 33

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Lys Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 34
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Lys at position 12 is chemically modified by conjugation of the
epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 34

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Lys Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 35
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Lys at position 13 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 35

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Lys Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Lys at position 14 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 36

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Lys Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 37
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Lys at position 15 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 37

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Lys Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 38
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (16)..(16)
<223> Lys at position 16 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 38

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)

<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (18)..(18)
<223> Lys at position 18 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 39

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 40
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (19)..(19)
<223> Lys at position 19 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO

2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 40

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Lys Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 41
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (21)..(21)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>

<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 41

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 42
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (23)..(23)
<223> Lys at position 23 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 42

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 43
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (24)..(24)
<223> Lys at position 24 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 43

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1   5   10   15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 44
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (26)..(26)
<223> Lys at position 26 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 44

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Lys Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 45
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (27)..(27)
<223> Lys at position 27 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 45

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 46
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (28)..(28)
<223> Lys at position 28 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 46

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 47
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (29)..(29)

<223> Lys at position 29 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 47

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 48
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Lys at position 30 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)

<223> Ser at position 39 is amidated

<400> 48

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 49
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (31)..(31)
<223> Lys at position 31 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 49

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 50
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (32)..(32)
<223> Lys at position 32 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 50

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Lys
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 51
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (33)..(33)
<223> Lys at position 33 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 51

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Lys Gly Ala Pro Pro Pro Ser
35

<210> 52
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Lys at position 34 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 52

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Lys Ala Pro Pro Pro Ser
35

<210> 53
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE

<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (35)..(35)
<223> Lys at position 35 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 53

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Lys Pro Pro Pro Ser
35

<210> 54
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (36)..(36)
<223> Lys at position 36 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with

(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 54

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Lys Pro Pro Ser
35

<210> 55
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (37)..(37)
<223> Lys at position 37 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 55

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Lys Pro Ser
35

<210> 56
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (38)..(38)
<223> Lys at position 38 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 56

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Lys Ser
35

<210> 57
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Lys at position 39 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Lys at position 39 is amidated

<400> 57

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Lys
35

<210> 58
<211> 40

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (40)..(40)
<223> Lys at position 40 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (40)..(40)
<223> Lys at position 40 is amidated

<400> 58

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 59
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 59

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 60
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 60

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 61
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)

<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 61

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Ser
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 62
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>

<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 62

His Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 63
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 63

His Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 64
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 64

His Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 65
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 65

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 66
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 66

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 67
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 67

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ser Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 68
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)

<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 68

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 69
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>

<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 69

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 70
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 70

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Ser
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 71
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES

<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 71

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 72
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>

<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 72

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)

<223> Gly at position 30 is amidated

<400> 73

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Ser
1   5   10   15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
            20   25   30

<210> 74
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 74

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Thr
1   5   10   15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 75
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 75

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 76
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (22)..(22)
<223> Xaa at position 22 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 76

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 77

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> Xaa at position 11 is alpha-methyl-Ser

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 77

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Xaa Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 78
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 78

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 79
<211> 30

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Lys at position 10 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 79

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Lys Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 80
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Lys at position 14 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 80

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Lys Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 81
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (21)..(21)
<223> Lys at position 21 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 81

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Lys Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 82
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (28)..(28)
<223> Lys at position 28 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 82

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Lys Gly Gly
20 25 30

<210> 83
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (22)..(22)
<223> Xaa at position 22 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 83

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 84
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (26)..(26)
<223> Xaa at position 26 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 84

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Xaa Ile Glu Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 85
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (22)..(22)
<223> Xaa at position 22 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 85

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 86
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (19)..(19)
<223> Xaa at position 19 is Aib

<220>
<221> MOD_RES
<222> (37)..(37)
<223> Lys at position 37 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (38)..(38)
<223> Ser at position 38 is amidated

<400> 86

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Lys Ile
1 5 10 15

Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser Ser

20 25 30

Gly Ala Pro Pro Lys Ser
35

<210> 87
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 87

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 88
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MOD_RES
<222> (1)..(1)
<223> The N-terminal amino is acetylated

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 88

Xaa Ala Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 89
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is D-Ala

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 89

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 90
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> Xaa at position 11 is D-Ser

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 90

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Xaa Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 91
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (12)..(12)
<223> Xaa at position 12 is D-Ile

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 91

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Xaa Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 92
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (28)..(28)
<223> Xaa at position 28 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 92

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 93
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES

<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 93

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 94
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with

(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 94

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Ala Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 95
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 95

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 96
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is alpha-methyl-Pro

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 96

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys

1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 97
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 97

Tyr Pro Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 98
<211> 39

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa at position 3 is Aad

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 98

Tyr Xaa Xaa Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 99
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 99

Tyr Xaa Asn Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 100
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa at position 3 is gamma-Glu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 100

Tyr Xaa Xaa Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 101
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE

<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Lys at position 10 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 101

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Lys Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 102
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Lys at position 14 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 102

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Lys Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 103
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (21)..(21)
<223> Lys at position 21 is chemically modified by conjugation of the
epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO

2H

<220>
<221> MISC_FEATURE
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 103

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Lys Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 104
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (28)..(28)
<223> Lys at position 28 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 104

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Lys Gly Gly
20 25 30

<210> 105
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Lys at position 10 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 105

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Lys Ser Ile Xaa Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly

20 25 30

<210> 106
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (28)..(28)
<223> Lys at position 28 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 106

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Ile Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Lys Gly Gly
20 25 30

<210> 107
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 13 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 107

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 108
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE

<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 108

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 109
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 109

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 110
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>

<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 110

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 111
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

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

<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 111

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 112
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 112

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 113
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE

<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 113

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 114
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(2)
<223> Xaa at position 1 combines with Xaa at position 2 to form desHis-psi[NHCO]-Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 114

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 115
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(2)
<223> Xaa at position 1 combines with Xaa at position 2 to form desHis-Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES

<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 115

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 116
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is Des-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 116

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 117
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-AOC-(gamma-Glu)-CO-(CH2)18 -CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 117

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 118
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with AOC-(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-(gamma-Glu)-CO-(CH2)18 -CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 118

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 119
<211> 39

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-(gamma-Glu)-(Trx)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 119

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 120
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-(Trx)-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 120

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 121
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-(epsilon-Lys)-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 121

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 122
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(epsilon-Lys)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 122

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 123
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-(epsilon-Lys)-(epsilon-Lys)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 123

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 124
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 124

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 125
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)

<223> Ser at position 39 is amidated

<400> 125

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 126
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>

<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 126

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 127
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 127

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 128
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE

<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 128

Phe Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 129
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa at position 3 is cTA

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)

<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 129

Tyr Xaa Xaa Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 130
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>

<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 130

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 131
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa at position 29 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 131

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES

<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 132

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 133

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly

<210> 134
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)

<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)2-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 134

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 135
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>

<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 135

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 136
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 136

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Ile Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 137
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES

<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 137

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 138
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with

(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 138

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Leu Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 139
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 139

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Glu Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 140
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO

2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 140

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 141
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 3Pal

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 141

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 142
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is DesTyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE

<222> (13)..(13)
<223> Xaa at position 13 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 142

Xaa Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 143
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is DesTyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 143

Xaa Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 144
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)

<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 144

His Xaa Asn Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 145
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO

2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 145

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Ala Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 146
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (21)..(21)
<223> Xaa at position 21 is Aad

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 146

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 147
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE

<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 147

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 148
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 148

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 149
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

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

<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 149

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Asp Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 150
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>

<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 150

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 151
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 151

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa His Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 152
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE

<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (21)..(21)
<223> Xaa at position 21 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 152

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 153
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (21)..(21)
<223> Xaa at position 21 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 153

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln His Xaa Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 154
<211> 39

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 154

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Ala Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 155
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 155

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 156
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is Aad

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 156

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 157
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 157

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu

1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 158
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 158

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Val Tyr Leu Ile Glu Gly Gly Pro Ser
            20 25 30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 159
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 159

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 160
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES

<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 160

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 161
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 161

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 162
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO

2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 162

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile His Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 163
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 163

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 164
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is cTA

<220>
<221> MISC_FEATURE

<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 164

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 165
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 2Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 165

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 166
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)

<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 3Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 166

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 167
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 167

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1   5   10   15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 168
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 168

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 169
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)

<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 169

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 170
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)2-CO-(CH2)18-CO2H

<220>

<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 170

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES

<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)2-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 171

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa His Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly

<210> 172
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 172

His Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 173
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

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

<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (28)..(28)
<223> Xaa at position 28 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 173

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Xaa Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 174
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (28)..(28)
<223> Xaa at position 28 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 174

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Xaa Leu Ile Xaa Gly Gly Pro Ser
            20 25 30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 175
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (30)..(30)

<400> 175

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 176
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)

<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 176

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly

<210> 177
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>

<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 177

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 178
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES

<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 178

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 179
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)14-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 179

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 180
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)

<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 180

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 181
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dab

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is a Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 181

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Xaa
1   5   10   15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 182
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dap

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 182

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 183
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 183

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 184
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(epsilon-Lys)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 184

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 185
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

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

<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(epsilon-Lys)-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 185

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 186
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 186

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa His Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 187
<211> 39
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)14-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 187

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa His Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 188
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 188

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu

1 5 10 15

Lys Ala Gln Xaa His Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly

<210> 189
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>

<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 189

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp His Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa His Phe Ile Xaa Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 190
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 3Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)

<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 190

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1   5   10   15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 191
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 191

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 192
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE

<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 192

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Leu Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 193
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 193

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser

35

<210> 194
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is D-His

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 194

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 195
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is alpha-methyl-Tyr

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE

<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 195

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 196
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)

<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 196

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Gln Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 197
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>

<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 3Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 197

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 198
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 198

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 199
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 3Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)

<223> Ser at position 39 is amidated

<400> 199

His Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 200
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>

<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 200

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Val Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 201
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 201

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Ala Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 202
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is alpha-methyl-Pro

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES

<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 202

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 203
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is alpha-methyl-Pro

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 203

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 204
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is alpha-methyl-Pro

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 204

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Arg
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 205
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is alpha-methyl-Pro

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 205

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Arg
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 206
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is alpha-methyl-Pro

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 206

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly

<210> 207
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is alpha-methyl-Pro

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO2H

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 207

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu

1 5 10 15

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

Ser Gly

<210> 208
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is DesTyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 208

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser

35

<210> 209
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is DesTyr

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 209

Xaa Ala Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

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

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is DesHis

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is alpha-methyl-Pro

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 210

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-Amino-ethoxy)-ethoxy]-acetyl)-(gamma-Glu)-(2-[2-(2-Amino-ethoxy)-ethoxy]-acetyl)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 211

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

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

<220>

<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 212

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>

<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 213

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 214
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 214

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 215
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>

<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 215

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 216
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-Amino-ethoxy)-ethoxy]-acetyl)2-(epsilon-Lys)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 216

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 217
<211> 39

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)14-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 217

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 218
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dab

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES

<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 218

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 219
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dap

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 219

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 220
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>

<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-Amino-ethoxy)-ethoxy]-acetyl)-(gamma-Glu)-(2-[2-(2-Amino-ethoxy)-ethoxy]-acetyl)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 220

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 221
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 221

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 222
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE

<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 222

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 223
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 223

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 224
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 224

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 225
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(epsilon-Lys)-CO-(CH2)18-
       CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 225

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 226
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dab

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE

<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 226

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 227
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)

<223> Xaa at position 16 is Dap

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 227

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 228
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>

<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 228

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly

<210> 229
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 229

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Xaa Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 230
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 230

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 231
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 231

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 232
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)

<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 232

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 233
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>

<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 233

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 234
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is Aib

<220>
<221> MOD_RES

<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 234

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 235
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 235

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 236
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

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

<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 236

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 237
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 237

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 238
<211> 38
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (12)..(12)
<223> Xaa at position 12 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (16)..(16)
<223> Lys at position 16 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (19)..(19)
<223> Xaa at position 19 is Aib

<220>
<221> MISC_FEATURE
<222> (23)..(23)
<223> Xaa at position 23 is D-Glu

<220>
<221> MOD_RES
<222> (38)..(38)
<223> Ser at position 39 is amidated

<400> 238

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Xaa Leu Asp Glu Lys
1 5 10 15

Ala Gln Xaa Glu Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser Ser
20 25 30

Gly Ala Pro Pro Pro Ser
35

<210> 239
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 239

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp His

1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 240
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>

<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 240

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 241
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES

<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 241

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 242
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dab

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 242

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 243
<211> 39

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dab

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 243

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Leu Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 244
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dab

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO
       2H

<220>
<221> MISC_FEATURE

<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 244

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 245
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)

<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 245

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 246
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 246

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Ala Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser

20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 247
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 247

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Leu Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 248
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>

<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 248

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 249
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 249

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 250
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)

<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 250

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Val Ser Ile Xaa Leu Asp Xaa
1   5   10   15

Lys Ala Gln Xaa Thr Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 251
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 251

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Val Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 252
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 252

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Leu Ser Ile Xaa Leu Asp Xaa

1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 253
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>

<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 253

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Leu Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 254
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE

<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 254

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Ala Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 255
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 255

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Ala Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 256
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is Aib

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 256

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 257
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE

<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 257

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 258
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is Nle

<220>
<221> MISC_FEATURE
<222> (16)..(16)

<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 258

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 259
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>

<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is Aib

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 259

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 260
<211> 39
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(epsilon-Lys)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 260

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1   5   10   15

Lys Ala Gln Xaa Ala Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 261
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>

<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(epsilon-Lys)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 261

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Xaa Xaa Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 262
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 262

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 263
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 263

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 264
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 264

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 265
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 265

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 266
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE

<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 266

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 267
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES

<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 267

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 268
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 268

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 269
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 269

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp His Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 270
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 270

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 271
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)

<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 271

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 272
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MOD_RES
<222> (39)..(39)

<223> Ser at position 39 is amidated

<400> 272

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1   5   10   15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 273
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 273

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly

<210> 274
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE

<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 13 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 274

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly
20 25 30

<210> 275
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 275

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 276
<211> 30
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 276

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 277
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 277

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly

<210> 278
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 278

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 279
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 279

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 280
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 280

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 281
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 281

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 282
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)

<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 282

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Ala Gly Gly
20 25 30

<210> 283
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO2H

<220>
<221> MOD_RES

<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 283

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 284
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 284

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Pro Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 285
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 285

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 286

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 286

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Gln Ala Gln Xaa Glu Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 287
<211> 40

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (40)..(40)
<223> Cys at position 40 is amidated

<400> 287

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser Cys
35 40

<210> 288
<211> 40
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (40)..(40)
<223> Cys at position 40 is amidated

<400> 288

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Gln Ala Gln Xaa Glu Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Cys
35 40

<210> 289
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 289

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1   5   10   15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 290
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 290

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Gln Ala Gln Xaa Glu Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 291
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (40)..(40)
<223> Cys at position 40 is amidated

<400> 291

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser Cys
        35   40

<210> 292
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (40)..(40)
<223> Cys at position 40 is amidated

<400> 292

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1   5   10   15

Gln Ala Gln Xaa Glu Phe Ile Xaa Tyr Leu Ile Glu Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser Cys
        35   40

<210> 293
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)

<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 293

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1   5   10   15

Lys Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 294
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> mod
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 294

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Gln Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 295
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (40)..(40)
<223> Cys at position 40 is amidated

<400> 295

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Cys
35 40

<210> 296
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is 4Pal

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (40)..(40)
<223> Cys at position 40 is amidated

<400> 296

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Xaa Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Gln Ala Gln Xaa Glu Phe Ile Xaa Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Cys
35 40

<210> 297
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MOD_RES
<222> (4)..(4)
<223> The C-terminal Gly is modified with R2 to provide PSSG-R2, wherein the modification is NH2 or absent.

<400> 297

Pro Ser Ser Gly
1

<210> 298
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MOD_RES
<222> (9)..(9)
<223> The C-terminal Ser is modified with R2 to provide PSSGAPPPS-R2, wherein the modification is NH2 or absent.

<400> 298

Pro Ser Ser Gly Ala Pro Pro Pro Ser
1 5

<210> 299
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 299

Pro Ser Ser Gly
1

<210> 300
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Gly at position 4 is amidated

<400> 300

Pro Ser Ser Gly
1

<210> 301
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 301

Pro Ser Ser Gly Ala Pro Pro Pro Ser
1 5

<210> 302
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Ser at position 9 is amidated

<400> 302

Pro Ser Ser Gly Ala Pro Pro Pro Ser
1 5

<210> 303
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 303

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 304
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 304

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 305
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 305

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Tyr Leu Ile Ala Gly Gly Pro Ser

20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 306
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 306

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Xaa Tyr Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 307
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)

<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 307

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1   5   10   15

Lys Ala Gln Xaa Glu Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 308
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 308

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 309
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES

<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 309

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

<210> 310
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 310

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln His Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly
20 25 30

<210> 311
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 311

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 312
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Gly at position 30 is amidated

<400> 312

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Tyr Leu Ile Ala Gly Gly
20 25 30

<210> 313
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 313

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Val Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly

<210> 314
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES

<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 314

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 315
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 315

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 316
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 316

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys

1 5 10 15

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

Ser Gly

<210> 317
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 317

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 318
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 318

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly

<210> 319
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 319

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 320
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 320

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 321

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 321

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 322
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 322

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly

<210> 323
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 323

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 324
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 324

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 325
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 325

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 326
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE

<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 326

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly

<210> 327
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 327

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 328
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MOD_RES
<222> (17)..(17)

<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 328

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 329
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO

2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 329

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 330
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>

<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 330

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 331
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 331

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 332
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 332

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1   5   10   15

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

Ser Gly

<210> 333
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 333

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly

<210> 334
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 334

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 335
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 335

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Asp Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly

<210> 336
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 336

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Thr Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly

<210> 337
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)

<223> Gly at position 34 is amidated

<400> 337

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa His Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly

<210> 338
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 338

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 339
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 339

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 340
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 340

Tyr Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Tyr Leu Ile Glu Gly Gly Pro Ser

20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 341
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 341

Phe Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 342

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 342

Phe Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 343
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 343

Phe Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 344
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 344

Xaa Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Leu Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 345
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 345

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Leu Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 346
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 346

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 347
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE

<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 2 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 347

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 348
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 348

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 349
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)

<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 349

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 350
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>

<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 350

Xaa Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 351
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe(2F)

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 351

Xaa Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 352
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 352

Phe Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 353
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 353

Phe Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 354
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)

<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 354

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 355
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 355

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 356
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 356

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 357
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE

<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 357

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 358
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 358

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Xaa Tyr Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 359
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 359

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Asp Phe Ile Glu Tyr Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 360
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>

<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is alpha-methyl-Phe

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 360

Xaa Xaa Glu Gly Thr Xaa Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 361
<211> 39
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 361

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 362
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dab

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 362

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa

1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 363
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dap

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>

<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 363

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 364
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 364

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1   5   10   15

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

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 365
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dab

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 365

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 366
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)

<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Dap

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 366

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 367
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>

<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 367

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Xaa Tyr Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 368
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 368

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 369

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

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 369

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa

1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 370
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>

<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 370

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 371
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 371

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 372
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 372

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 373
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

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

<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 373

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Val Glu Tyr Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 374
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 374

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1   5   10   15

Lys Ala Gln Xaa Glu Phe Val Glu Tyr Leu Ile Ala Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 375
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 375

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Val Glu Tyr Leu Ile Glu Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 376
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)

<223> Ser at position 39 is amidated

<400> 376

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Val Xaa Tyr Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 377
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>

<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 377

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Val Xaa Tyr Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 378
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE

<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 378

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Xaa Tyr Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 379
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (24)..(24)
<223> Xaa at position 24 is D-Glu

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 379

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Val Xaa Tyr Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 380
<211> 39

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 380

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 381
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES

<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 381

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 382
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 382

Tyr Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 383
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO

2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 383

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 384
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 384

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Asp Phe Ile Glu Tyr Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 385
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE

<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Gly at position 34 is amidated

<400> 385

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly

<210> 386
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 386

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 387
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 387

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 388
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 388

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser

20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 389
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 389

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 390
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)

<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 390

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1   5   10   15

Lys Ala Gln Xaa Glu Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 391
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the

epsilon-amino group of the Lys side chain with
(2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO
2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 391

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 392
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE

<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)16-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 392

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 393
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 393

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser
35

<210> 394
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO 2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 394

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

Lys Ala Gln Xaa Glu Phe Ile Glu Xaa Leu Ile Glu Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 395
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa at position 16 is Orn

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the epsilon-amino group of the Lys side chain with (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 395

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Xaa
1   5   10   15

Lys Ala Gln Xaa Glu Phe Ile Glu Xaa Leu Ile Glu Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser
        35

<210> 396
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 is D-Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 is Aib

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is alpha-methyl-Leu

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Lys at position 17 is chemically modified by conjugation of the
       epsilon-amino group of the Lys side chain with
       (2-[2-(2-amino-ethoxy)-ethoxy]-acetyl)2-(gamma-Glu)-CO-(CH2)18-CO
       2H

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa at position 20 is Aib

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa at position 25 is alpha-methyl-Tyr

<220>
<221> MOD_RES
<222> (39)..(39)
<223> Ser at position 39 is amidated

<400> 396

Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Xaa Leu Asp Glu
1 5 10 15

Lys Ala Gln Xaa Ala Phe Ile Glu Xaa Leu Ile Ala Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35