SEQUENCE LISTING

<110> PhamaIN Corporation

<120> V1A RECEPTOR PARTIAL AGONIST AND METHOD OF USE

<130> 3097-P27WO

<150> US 63/053,340
<151> 2020-07-17

<160> 33

<170> PatentIn version 3.5

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<223> Wherein X at position 4 is defined as homoglutamine (Hgn)

<220>
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<222> (8)..(8)
<223> Wherein X at position 8 is defined as any one of L-Lysine, D-Lysine, L-Ornithine, D-Ornithine, L-Diaminobutyric acid, D-Diaminobutyric acid, L-Diaminopimelic acid , or D-Diaminopimelic acid

<220>
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<223> Wherein X at position 9 is defined as an amino acid residue selected from Gly, L-Ala, D-Ala, L-Lys, D-Lys, L-Orn, D-Orn, L-Glu, D-Glu, L-Asp, and D-Asp, or a moiety derived from a non-alpha primary amino group-containing C3-12 fatty acid

<220>
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<223> Wherein X at position 10 is defined as a number of the amino acid residue which is an integer from 0 to 10, or a number of the moiety which is an integer from 1 to 3

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Xaa Tyr Phe Xaa Asn Cys Pro Xaa Xaa Xaa Gly
1 5 10

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<223> Wherein X at position 8 is defined as any one of L-Lysine, D-Lysine, L-Ornithine, D-Ornithine, L-Diaminobutyric acid, D-Diaminobutyric acid, L-Diaminopimelic acid, or D-Diaminopimelic acid

<220>
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<223> Wherein X at position 9 is defined as an amino acid residue selected from Gly, L-Ala, D-Ala, L-Lys, D-Lys, L-Orn, D-Orn, L-Glu, D-Glu, L-Asp, and D-Asp, or a moiety derived from a non-alpha primary amino group-containing C3-12 fatty acid

<220>
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<222> (10)..(10)
<223> Wherein X at position 10 is defined as a number of the amino acid residue which is an integer from 6 to 10, or a number of the moiety which is an integer from 1 to 3

<400> 2

Xaa Tyr Phe Gln Asn Cys Pro Xaa Xaa Xaa Gly
1 5 10

<210> 3
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<220>
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<220>
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Xaa Xaa Cys Tyr Phe Gln Asn Cys Pro Lys Gly
1 5 10

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<223> Wherein X at position 9 is defined as an amino acid residue selected from Gly, D-Ala, L-Ala, D-Lys, L-Lys, D-Orn, L-Orn, D-Glu, D-Glu, D-Asp,and L-Asp

<220>
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Xaa Tyr Phe Gln Asn Cys Pro Lys Xaa Xaa Gly
1 5 10

<210> 5
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<222> (4)..(4)
<223> Wherein X at position 4 is defined as homoglutamine (Hgn)

<220>
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<222> (10)..(10)
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Xaa Tyr Phe Xaa Asn Cys Pro Lys Lys Xaa Gly
1 5 10

<210> 6
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<222> (10)..(10)
<223> Wherein X at position 10 is defined as a number of Glycine which is 6 or 9

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Xaa Tyr Phe Gln Asn Cys Pro Lys Gly Xaa Gly
1 5 10

<210> 7
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<223> Wherein X at position 1 is defined as an amino acid residue selected from Gly, L-Ala, D-Ala, L-Lys, D-Lys, L-Orn, D-Orn, L-Glu, D-Glu, L-Asp, and D-Asp

<220>
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<222> (2)..(2)
<223> Wherein X at position 2 is defined as a number of the amino acid residue which is an integer from 0 to 10

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Xaa Xaa Cys Tyr Phe Gln Asn Cys Pro Lys Gly
1 5 10

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Xaa Tyr Phe Xaa Asn Cys Pro Lys Gly Gly
1 5 10

<210> 9
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<400> 9

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1 5 10

<210> 10
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<223> Wherein X at position 4 is homoglutamine (Hgn)

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1 5 10

<210> 11
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1 5 10

<210> 12
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1 5 10

<210> 13
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<400> 13

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1 5 10 15

<210> 14
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<223> Wherein X at position 1 is homoglutamine (Hgn)

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Xaa Tyr Phe Xaa Asn Cys Pro Lys Gly Gly Gly Gly Gly Gly Gly
1 5 10 15

<210> 15
<211> 17
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<223> Wherein X at position 4 is defined as homoglutamine (Hgn)

<400> 15

Xaa Tyr Phe Xaa Asn Cys Tyr Lys Gly Gly Gly Gly Gly Gly Gly Gly
1 5 10 15

Gly

<210> 16
<211> 18
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<222> (4)..(4)
<223> Wherein X at position 4 is defined as homoglutamine (Hgn)

<400> 16

Xaa Tyr Phe Xaa Asn Cys Pro Lys Gly Gly Gly Gly Gly Gly Gly Gly
1 5 10 15

Gly Gly

<210> 17
<211> 9
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<223> Wherein X at position 4 is defined as homoglutamine (Hgn)

<220>
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<222> (8)..(8)
<223> Wherein X at position 8 is defined as diaminopimelic acid (Dap)

<400> 17

Xaa Tyr Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 18
<211> 9
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<220>
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<222> (8)..(8)
<223> Wherein X at position 8 is defined as d-Lysine (d-Lys)

<400> 18

Xaa Tyr Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 19
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<223> Wherein X at position 4 is defined as homoglutamine (Hgn)

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<222> (9)..(9)
<223> Wherein X at position 9 is defined as 12-aminododecanoic acid

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<222> (10)..(10)
<223> Wherein X at position 10 is defined as a number of
12-aminododecanoic acid with an integer of 1

<400> 19

Xaa Tyr Phe Xaa Asn Cys Pro Lys Xaa Xaa Gly
1 5 10

<210> 20
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(Mpa)

<400> 20

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1 5 10 15

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(Mpa)

<400> 21

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1 5 10 15

<210> 22
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<223> Wherein X at position 1 is defined as mercaptopropionic acid (Mpa)

<400> 22

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1 5 10 15

Gly

<210> 23
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<400> 23

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1 5 10 15

Gly Gly

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<220>
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<222> (10)..(10)
<223> Wherein X at position 10 is defined as a number of the residue(s) selected from Gly and a D- or L- amino acid version of Ala, Lys, Orn, Glu, and Asp, which is a number from 0 to 10

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1 5 10

<210> 25
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<223> Wherein X at position 4 is defined as homoglutamine (Hgn)

<400> 25

Xaa Tyr Phe Xaa Asn Cys Pro Lys Gly
1 5

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<222> (18)..(18)
<223> Wherein X at position 18 is defined as acetyl (Ac)

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Xaa Tyr Phe Xaa Asn Cys Pro Lys Gly Gly Gly Gly Gly Gly Gly Gly
1 5 10 15

Gly Xaa Gly

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<223> Wherein X at position 9 is defined as Lauric acid

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Xaa Tyr Phe Xaa Asn Cys Pro Lys Xaa Gly
1 5 10

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<220>
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<223> Wherein X at position 9 is defined as acetyl (Ac)

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Xaa Tyr Phe Xaa Asn Cys Pro Lys Xaa Gly
1 5 10

<210> 29
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<223> Wherein X at position 4 is defined as homoglutamine (Hgn)

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<223> Wherein X at position 9 is defined as diaminopimelic acid (Dap)

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Xaa Tyr Phe Xaa Asn Cys Pro Lys Xaa Gly
1 5 10

<210> 30
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<223> Wherein X at position 4 is defined as homoglutamine (Hgn)

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<222> (8)..(8)
<223> Wherein X at position 8 is defined as ornithine (Orn)

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1 5

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<222> (8)..(8)
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Xaa Tyr Phe Xaa Asn Cys Pro Xaa Gly
1 5

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<400> 32

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1 5

<210> 33
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<220>
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<400> 33

Xaa Tyr Phe Gln Asn Cys Pro Lys Gly Gly Gly Gly Gly Gly
1 5 10

SEQUENCE LISTING

<110> PharmaIN Corporation

<120> V1A RECEPTOR PARTIAL AGONIST AND METHOD OF USE

<130> 3097-P27WO

<140> PCT/US2021/041998
<141> 2021-07-16

<150> 63/053340
<151> 2020-07-17

<160> 35

<170> PatentIn version 3.5

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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

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<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
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<222> (7)..(7)
<223> Wherein X at position 7 is defined as any one of L-Lysine, D-Lysine, L-Ornithine, D-Ornithine, L-Diaminobutyric acid, D-Diaminobutyric acid, L-Diaminopimelic acid, [cont.]

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> [cont.] or D-Diaminopimelic acid, and wherein from 0 to 10 amino acid residues selected independently at each occurrence from Gly, L-Ala, D-Ala, L-Lys, D-Lys, L-Orn, D-Orn, L-Glu, D-Glu, [cont.]

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> [cont] L-Asp, and D-Asp is attached to the R group of the amino acid; or attached to the R group of the amino acid is from 1 to 3 moieties selected independently at each [cont.]

<220>
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<222> (7)..(7)
<223> [cont.] occurrence from a moiety derived from a non-alpha primary amino group-containing a C3-12 fatty acid

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Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

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<211> 8
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<223> Wherein X at position 7 is defined as any one of L-Lysine, D-Lysine, L-Ornithine, D-Ornithine, L-Diaminobutyric acid, D-Diaminobutyric acid, L-Diaminopimelic acid, [cont.]

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> [cont.] or D-Diaminopimelic acid, and wherein from 0 to 10 amino acid residues selected independently at each occurrence from Gly, L-Ala, D-Ala, L-Lys, D-Lys, L-Orn, D-Orn, L-Glu, D-Glu, [cont.]

<220>
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<222> (7)..(7)
<223> [cont] L-Asp, and D-Asp is attached to the R group of the amino acid; or attached to the R group of the amino acid is from 1 to 3 moieties selected independently at each [cont.]

<220>
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<222> (7)..(7)
<223> [cont.] occurrence from a moiety derived from a non-alpha primary amino group-containing a C3-12 fatty acid

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Xaa Phe Gln Asn Cys Pro Xaa Gly

1 5

<210> 3
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<223> Wherein X at position 1 is defined as Cys with from 0 to 10 amino acid residues selected independently at each occurrence from Gly, L-Ala, D-Ala, L-Lys, D-Lys, L-Orn, D-Orn, L-Glu, D-Glu, L-Asp, and D-Asp attached to R group

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Xaa Tyr Phe Gln Asn Cys Pro Lys Gly
1 5

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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
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<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with from 0 to 5 amino acid residues selected independently at each occurrence from Gly, L-Ala, D-Ala, L-Lys, D-Lys, L-Orn, D-Orn, L-Glu, D-Glu, L-Asp and D-Asp attached to R group

<400> 4

Xaa Phe Gln Asn Cys Pro Xaa Gly
1 5

<210> 5
<211> 8
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<220>
<223> Synthetic

<220>
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<222> (1)..(1)
<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 0, 3, 6, or 9 Gly residues attached to R group

<400> 5

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 6
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 6 or 9 Gly residues attached to R group

<400> 6

Xaa Phe Gln Asn Cys Pro Xaa Gly
1 5

<210> 7
<211> 10

<212> PRT
<213> Artificial sequence

<220>
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<220>
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<222> (1)..(1)
<223> Wherein X at position 1 is defined as 0 to 10 amino acid residues selected independently at each occurrence from Gly, L-Ala, D-Ala, L-Lys, D-Lys, L-Orn, D-Orn, L-Glu, D-Glu, L-Asp, and D-Asp

<400> 7

Xaa Cys Tyr Phe Gln Asn Cys Pro Lys Gly
1 5 10

<210> 8
<211> 8
<212> PRT
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<220>
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<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with Gly attached to R group

<400> 8

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 9
<211> 8
<212> PRT
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<220>

<223> Synthetic

<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

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<221> MISC_FEATURE
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<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
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<223> Wherein X at position 7 is defined as Lys with 2 Gly residues attached to R group

<400> 9

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 10
<211> 8
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 3 Gly residues attached to R group

<400> 10

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 11
<211> 8
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 4 Gly residues attached to R group

<400> 11

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 12
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 5 Gly residues attached to R group

<400> 12

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

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

<220>
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<220>
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<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 6 Gly residues attached to R group

<400> 13

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 14
<211> 8
<212> PRT
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<220>
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<220>
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<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 7 Gly residues attached to R group

<400> 14

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 15
<211> 8
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 8 Gly residues attached to R group

<400> 15

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 16
<211> 8
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 9 Gly residues attached to R group

<400> 16

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 17
<211> 8
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as diaminopimelic acid

<400> 17

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 18
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<400> 18

Xaa Phe Xaa Asn Cys Pro Lys Gly
1 5

<210> 19
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 12 aminododecanoic acid attached to R group

<400> 19

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 20
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 6 Gly residues attached to R group

<400> 20

Xaa Phe Gln Asn Cys Pro Xaa Gly
1 5

<210> 21
<211> 8
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 7 Gly residues attached to R group

<400> 21

Xaa Phe Gln Asn Cys Pro Xaa Gly
1 5

<210> 22
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid

derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 8 Gly residues attached to R group

<400> 22

Xaa Phe Gln Asn Cys Pro Xaa Gly
1 5

<210> 23
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 9 Gly residues attached to R group

<400> 23

Xaa Phe Gln Asn Cys Pro Xaa Gly
1 5

<210> 24
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE

<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 0 to 10 amino acid residues selected independently at each occurrence from Gly, L-Ala, D-Ala, L-Lys, D-Lys, L-Orn, D-Orn, L-Glu, D-Glu, L-Asp, and D-Asp attached to R group

<400> 24

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 25
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<220>
<221> MISC_FEATURE
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<223> Wherein X at position 3 is defined as homoglutamine

<400> 25

Xaa Phe Xaa Asn Cys Pro Lys Gly
1 5

<210> 26
<211> 8
<212> PRT
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<220>
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<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 9 Gly residues attached to R group and the distal Gly residue is acetylated

<400> 26

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 27
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with lauric acid attached to R group

<400> 27

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 28
<211> 8
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with acetyl moiety attached to R group

<400> 28

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 29
<211> 8
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with diaminopimelic acid attached to R group

<400> 29

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 30
<211> 8
<212> PRT

<213> Artificial sequence

<220>
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<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
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<400> 30

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 31
<211> 8
<212> PRT
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<220>
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<220>
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<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Wherein X at position 3 is defined as homoglutamine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as diaminopimelic acid

<400> 31

Xaa Phe Xaa Asn Cys Pro Xaa Gly
1 5

<210> 32
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<220>
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<400> 32

Xaa Phe Gln Asn Cys Pro Lys Gly
1 5

<210> 33
<211> 8
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<223> Wherein X at position 1 is defined as mercaptopropionic acid derivatized to a Tyr residue

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Wherein X at position 7 is defined as Lys with 5 Gly residues attached to R group

<400> 33

Xaa Phe Gln Asn Cys Pro Xaa Gly
1 5

<210> 34
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<400> 34

Cys Arg Ala Val Lys Tyr
1 5

<210> 35
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic

<400> 35

Asp Asp Ala Val Pro
1 5