SEQUENCE LISTING

<110> Karim, Felix
Bell, Gregory

<120> Therapeutic Agents for Regulating Serum PHosphorus

<130> 63200.8021.WO00

<140> Not yet assigned
<141> Filed herewith

<150> US 61/494,874
<151> 2011-06-08

<160> 183

<170> PatentIn version 3.4

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<222> (7)
<223> C-terminal amidation

<400> 35
Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 36
<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-Cys

<220>

<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<222> (1)..(1)
<223> Cys-Cys disulfide bond to Cys

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
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<223> C-terminal amidation

<400> 36
Xaa Xaa Arg Xaa Xaa Xaa Xaa
 1   5

<210> 37
<211> 7
<212> PRT
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<220>
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<220>
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<220>
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<220>
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<222> (1)..(1)
<223> Cys-Cys disulfide bond to Cys

<220>
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<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
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<223> C-terminal amidation

<400> 37
Xaa Xaa Xaa Arg Xaa Xaa Xaa

1 5

<210> 38
<211> 7
<212> PRT
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<220>
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<220>
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<220>
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<223> N-terminal acetylation

<220>
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<222> (1)..(1)
<223> Cys-Cys disulfide bond to Cys

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 38
Xaa Xaa Xaa Xaa Arg Xaa Xaa
1 5

<210> 39
<211> 7
<212> PRT
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<220>
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<220>
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<220>
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<223> N-terminal acetylation

<220>
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<222> (1)..(1)
<223> Cys-Cys disulfide bond to Cys

<220>
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<222> (2)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 39
Xaa Xaa Xaa Xaa Xaa Ala Xaa
 1   5

<210> 40
<211> 7
<212> PRT
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<220>
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<220>
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<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<222> (1)..(1)
<223> Cys-Cys disulfide bond to Cys
<220>
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<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (6)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 40
Xaa Xaa Xaa Xaa Xaa Xaa Arg
 1   5

<210> 41
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
<221> VARIANT
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<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 41
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 42
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 42
Xaa Gly Xaa Xaa Xaa Gly Xaa
 1   5

<210> 43
<211> 7
<212> PRT
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<220>
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<220>
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<222> (1)
<223> Xaa = D-Cys

<220>
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<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 43
Xaa Ala Xaa Xaa Xaa Ala Xaa
 1   5

<210> 44
<211> 7
<212> PRT
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<220>
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<220>
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<220>
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<222> (4)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 44
Cys Xaa Arg Xaa Arg Xaa Arg
 1   5

<210> 45
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 45
Cys His Asp Ala Pro Ile Gly Tyr Asp
 1   5

<210> 46
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 46
Cys Pro Asp Tyr His Asp Ala Gly Ile
 1   5

<210> 47
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> MOD_RES
<222> (12)..(12)
<223> C-terminal amidation

<400> 47
Cys Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
 1   5   10

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

<220>
<223> Synthetic peptide

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
<221> MOD_RES
<222> (11)..(11)
<223> C-terminal amidation

<400> 48
Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
 1   5   10

<210> 49
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (4), (5)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (6), (7), (8)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (8)
<223> C-terminal amidation

<400> 49
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 50
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<223> Xaa = D-Tyr

<220>
<221> VARIANT
<222> (3)
<223> Xaa = D-Gly

<220>
<221> VARIANT
<222> (4), (7), (8), (10), (11), (12)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (5), (6)
<223> Xaa = D-Lys

<220>
<221> VARIANT
<222> (9)
<223> Xaa = D-Gln

<220>
<221> MOD_RES
<222> (12)
<223> C-terminal amidation

<400> 50
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5   10

<210> 51
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2)...(7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 51
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 52
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 52
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 53
<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
<221> DISULFID
<222> (1)..(1)
<223> Cys-Cys disulfide bonded to Glutathione

<220>
<221> VARIANT
<222> (2)...(7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 53
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 54
<211> 7
<212> PRT
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<220>
<223> Synthetic peptide

<220>
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<223> Xaa = D-Cys

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

<223> Cys-Cys disulfide bonded to Glutathione

<220>
<221> VARIANT
<222> (2)...(7)
<223> Xaa = D-Arg

<400> 54
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 55
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> DISULFID
<222> (1)..(1)
<223> Cys-Cys disulfide bonded to acetylated Glutathione

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 55
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 56
<211> 7
<212> PRT
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<220>
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<220>
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<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<222> (1)..(1)
<223> Cys-Cys disulfide bonded to 3-Mercaptopropionic acid

<220>
<221> VARIANT
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<223> Xaa = D-Ala

<220>
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<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 56
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 57
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
<221> DISULFID
<222> (1)..(1)
<223> Cys-Cys disulfide bonded to Polyethylene glycol

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 57
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 58
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<221> DISULFID
<222> (1)..(1)
<223> Cys-Cys disulfide bonded to Polyethylene glycol

<220>
<221> VARIANT
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<223> Xaa = D-Ala

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<222> (2)...(7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 58
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 59
<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-Cys

<220>
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<220>
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<222> (1)..(1)
<223> Cys-Cys disulfide bonded to Polyethylene glycol

<220>
<221> VARIANT
<222> (2)...(7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 59
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 60
<211> 7
<212> PRT
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<220>
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<220>
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<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
<221> DISULFID
<222> (1)..(1)
<223> Cys-Cys disulfide bonded to Cys

<220>
<221> VARIANT
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<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 60
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 61
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic peptide

<220>
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<223> Xaa = bAla

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2)
<223> Xaa = D-Cys

<220>
<221> DISULFID
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<223> Cys-Cys disulfide bonded to Cys

<220>
<221> VARIANT
<222> (3), (7)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (4), (5), (6), (8)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 61
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 62
<211> 8
<212> PRT
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<220>
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<220>
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<223> Xaa = bAla

<220>
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<222> (2)
<223> Xaa = D-Cys

<220>
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<223> Cys-Cys disulfide bonded to Cys

<220>
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<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (4), (5), (6), (8)
<223> Xaa = D-Arg

<400> 62
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 63
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Xaa = D-Cys

<220>
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<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<400> 63
Xaa Gly Xaa Xaa Xaa Gly Xaa
 1   5

<210> 64
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<223> Xaa = D-Cys

<220>
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<222> (1)..(1)
<223> N-terminal acetylation

<220>
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<223> Xaa = D-Arg

<400> 64
Xaa Ala Xaa Xaa Xaa Ala Xaa
 1   5

<210> 65
<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
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<223> Xaa = D-Val

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 65
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 66
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<223> Xaa = D-Val

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<400> 66

Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 67
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2)...(7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 67
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 68
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Glu

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 68
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 69
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<223> Xaa = D-Cys

<220>
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<223> N-terminal acetylation

<220>
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<220>
<221> VARIANT
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<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 69
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 70
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), 6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5)
<223> Xaa = D-Arg

<220>
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<222> (7)
<223> Xaa = D-Lys

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 70
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 71
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<220>
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<223> Xaa = D-Arg

<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
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<223> C-terminal amidation

<400> 71
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 72

<211> 7
<212> PRT
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<220>
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<220>
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<220>
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<223> N-terminal acetylation

<220>
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<223> Xaa = D-Lys

<220>
<221> VARIANT
<222> (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 72
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 73
<211> 7
<212> PRT
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<220>
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<220>
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<220>
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<223> Xaa = D-Arg

<220>
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<223> C-terminal amidation

<400> 73
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 74
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> N-terminal acetylation

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<223> Xaa = D-Ala

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<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

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<400> 74
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 75
<211> 7
<212> PRT
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<220>
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<220>
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<223> N-terminal acetylation

<220>
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<222> (7)
<223> C-terminal amidation

<400> 75
Cys Ala Arg Arg Arg Ala Arg
 1   5

<210> 76
<211> 9
<212> PRT
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<220>
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<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<223> Xaa = D-Ala

<220>
<221> VARIANT
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<223> Xaa = D-Arg

<220>
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<222> (9)
<223> C-terminal amidation

<400> 76
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 77
<211> 10
<212> PRT
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<220>
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<220>
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<223> N-terminal acetylation

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<223> Xaa = D-Ala

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<221> VARIANT
<222> (5)...(10)
<223> Xaa = D-Arg

<220>
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<222> (10)
<223> C-terminal amidation

<400> 77
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5   10

<210> 78
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<223> Xaa = D-Ala

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<221> VARIANT
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<223> Xaa = D-Arg

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<223> C-terminal amidation

<400> 78
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 79
<211> 9
<212> PRT
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<220>
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<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7), (9)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (9)
<223> C-terminal amidation

<400> 79
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 80
<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-Arg

<220>
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<222> (7)
<223> C-terminal amidation

<400> 80
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 81
<211> 7
<212> PRT
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<220>
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<220>
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<223> N-terminal acetylation

<220>
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<222> (1)..(1)
<223> Cys-Cys interchain bond with benzoyl

<220>
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<223> Xaa = D-Arg

<220>
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<222> (7)
<223> C-terminal amidation

<400> 81
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 82
<211> 7
<212> PRT
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<220>
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<223> N-terminal acetylation

<220>
<221> DISULFID
<222> (1)..(1)
<223> Cys-Cys interchain bond with acetyl

<220>
<221> VARIANT
<222> (2)...(7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 82
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 83
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>

<221> MOD_RES
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<223> N-terminal acetylation

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<222> (2)
<223> Xaa = D-Ala

<220>
<221> VARIANT
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<223> Xaa = D-Arg

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<223> Xaa = D-Phe

<220>
<221> MOD_RES
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<223> C-terminal amidation

<400> 83
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 84
<211> 7
<212> PRT
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<220>
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<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
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<223> Xaa = D-Ile

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 84
Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1 5

<210> 85
<211> 7
<212> PRT
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<220>
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<223> N-terminal acetylation

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<223> Xaa = D-Arg

<220>
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<222> (6)
<223> Xaa = D-Leu

<220>
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<222> (7)
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<400> 85
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 86
<211> 7
<212> PRT
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<220>
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<221> VARIANT
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<223> Xaa = D-Arg

<220>
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<222> (5)
<223> Xaa = D-Lys

<220>
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<222> (7)
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<400> 86
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 87
<211> 7
<212> PRT
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<223> Xaa = D-Arg

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<222> (6)
<223> Xaa = D-Val

<220>
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<400> 87
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 88
<211> 7
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<223> Xaa = D-Arg

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<222> (6)
<223> Xaa = D-Pro

<220>
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<400> 88
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 89
<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-His

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<400> 89
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 90
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<220>
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<220>
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<400> 90
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 91
<211> 7
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<220>
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<400> 91
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 92
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<223> Xaa = D-Ser

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<400> 92
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 93
<211> 7
<212> PRT
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<223> Xaa = D-Arg

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<400> 93
Xaa Xaa Xaa Xaa Xaa Gly Xaa
 1   5

<210> 94
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<222> (6)

<223> Xaa = D-Ala

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<400> 94
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 95
<211> 7
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<220>
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<223> Xaa = D-Ala

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<400> 95
Xaa Gly Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 96
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<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
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<400> 96
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 97
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<212> PRT
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<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 97
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 98
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<212> PRT
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<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 98
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 99
<211> 7
<212> PRT
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<220>
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<220>
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<220>
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<223> N-terminal acetylation

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<220>
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<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 99
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 100
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<212> PRT
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<220>
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<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 100
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 101
<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-Cys

<220>
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<222> (1)..(1)
<223> N-terminal acetylation

<220>
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<220>
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<223> Xaa = D-Arg

<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 101
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 102
<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-Arg

<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 102

Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 103
<211> 7
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<220>
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<220>
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<220>
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<223> N-terminal acetylation

<220>
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<223> Xaa = D-His

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 103
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 104
<211> 7
<212> PRT
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<220>
<223> Synthetic peptide

<220>
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<222> (1)
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<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<222> (2)
<223> Xaa = D-Phe

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
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<400> 104
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 105
<211> 7
<212> PRT
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<220>
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<220>
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<220>
<221> MOD_RES
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<220>
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<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
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<400> 105
Xaa Xaa Xaa Gly Xaa Xaa Xaa
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<210> 106
<211> 7
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<220>
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<223> Xaa = D-Arg

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<222> (4)
<223> Xaa = D-Pro

<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
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<222> (7)
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<400> 106
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 107
<211> 7
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<220>
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<220>
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<223> Xaa = D-Arg

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<222> (4)
<223> Xaa = D-Glu

<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
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<222> (7)
<223> C-terminal amidation

<400> 107
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 108
<211> 7
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<220>
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<220>
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<223> Xaa = D-Arg

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<222> (4)
<223> Xaa = D-Thr

<220>
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<222> (6)
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

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<222> (4)
<223> Xaa = D-His

<220>
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<222> (6)
<223> Xaa = D-Ala

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 1   5

<210> 110
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<222> (4)
<223> Xaa = D-Phe

<220>
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<222> (6)
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<400> 110
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 1   5

<210> 111
<211> 7
<212> PRT
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<220>

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<220>
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<223> Xaa = D-Ser

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<222> (6)
<223> Xaa = D-Ala

<220>
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<400> 111
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 1   5

<210> 112
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<212> PRT
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<220>
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<220>
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<220>
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<221> VARIANT
<222> (4)
<223> Xaa = D-Gln

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
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<222> (7)
<223> C-terminal amidation

<400> 112
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 113
<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-Arg

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<222> (4)
<223> Xaa = D-Val

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 114
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<221> VARIANT
<222> (4)
<223> Xaa = D-Leu

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
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<400> 114
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 115
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<220>
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<222> (4)
<223> Xaa = D-Ile

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
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<400> 115
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 116
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<220>
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<220>
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<220>
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<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (4)
<223> Xaa = N-methylglycine (sarcosine)

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
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<223> C-terminal amidation

<400> 116
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 1   5

<210> 117
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<220>
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<220>
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<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = N-methylglycine (sarcosine)

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<400> 117
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 1   5

<210> 118
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<212> PRT
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<220>
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<220>
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<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<223> Xaa = N-methylalanine (Nma)

<220>
<221> VARIANT
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<223> Xaa = D-Arg

<220>
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<222> (7)
<223> C-terminal amidation

<400> 118
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 119
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<212> PRT
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<220>
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<220>
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<220>

<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<223> Xaa = D-Arg

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<222> (4)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (6)
<223> Xaa = N-methylalanine (Nma)

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<400> 119
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 120
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<212> PRT
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<220>
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<220>
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<220>
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<223> N-terminal acetylation

<220>
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<222> (2), (6)
<223> Xaa = 2-aminoisobutyric acid (Aib)

<220>
<221> VARIANT
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<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 120
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 121
<211> 7
<212> PRT

<213> Artificial Sequence

<220>
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<220>
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<223> N-terminal acetylation

<220>
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<223> Xaa = N-methylalanine (Nma)

<220>
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<222> (6)
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<220>
<221> MOD_RES
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<223> C-terminal amidation

<400> 121
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 122
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<212> PRT
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<220>
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<223> N-terminal acetylation

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<220>
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<223> Xaa = N-methylalanine (Nma)

<220>
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<400> 122
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 123
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<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
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<400> 123
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 124
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<220>
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<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
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<222> (6)
<223> Xaa = 2-aminoisobutyric acid (Aib)

<220>
<221> MOD_RES
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<400> 124
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 125
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<220>
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<220>
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<220>
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<223> N-terminal acetylation

<220>
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<222> (2), (6)
<223> Xaa = N-methylglycine (sarcosine)

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
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<400> 125
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 126

<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-Arg

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<222> (4)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (6)
<223> Xaa = N-methylglycine (sarcosine)

<220>
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<400> 126
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 127
<211> 7
<212> PRT
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<220>
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<220>
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<220>
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<223> N-terminal acetylation

<220>
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<223> Xaa = N-methylalanine (Nma)

<220>
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<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 127
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 128
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<220>
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<220>
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<223> N-terminal acetylation

<220>
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<223> Xaa = N-methylglycine (sarcosine)

<220>
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<223> Xaa = D-Arg

<220>
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<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 128
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 129
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<212> PRT
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<220>
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<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
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<223> N-terminal acetylation

<220>
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<222> (2)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = Norleucine (NLeu)

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 129
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 130
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
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<222> (2), (6)
<223> Xaa = D-Norleucine (dNLeu)

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 130
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 131
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
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<222> (2)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Norvaline (dNval)

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<222> (7)
<223> C-terminal amidation

<400> 131
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 132
<211> 7
<212> PRT
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<220>
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<220>
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<223> Xaa = D-Cys

<220>
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<223> N-terminal acetylation

<220>
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<220>
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<222> (3), (4), (5), (7)

<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 132
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<210> 133
<211> 7
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<220>
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<220>
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<223> N-terminal acetylation

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<223> Xaa = D-Arg

<220>
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<222> (6)
<223> Xaa = D-Norleucine (dNLeu)

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 133
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 134
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES

<222> (1)..(1)
<223> N-terminal acetylation

<220>
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<222> (2)
<223> Xaa = D-Norleucine (dNLeu)

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 134
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 135
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
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<222> (2), (3), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (4)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Norvaline (dNVal)

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 135
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 136
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
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<222> (2)
<223> Xaa = D-Norvaline (dNVal)

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 136
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 137
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (3), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT

<222> (4)
<223> Xaa = D-Norvaline (dNVal)

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 137
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 138
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (3), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (4)
<223> Xaa = D-Norleucine (dNLeu)

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 138
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 139
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>

<221> VARIANT
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> DISULFID
<222> (1)..(1)
<223> Bond with D-homocysteine (dHcy)

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 139
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 140
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> DISULFID
<222> (1)..(1)
<223> Bond with 3-mercaptopropionic acid (Mpa)

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES

<222> (7)
<223> C-terminal amidation

<400> 140
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 141
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> DISULFID
<222> (1)..(1)
<223> Bond with acetylated L-Cysteine

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 141
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 142
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>

<221> DISULFID
<222> (1)..(1)
<223> Bond with D-Cysteine

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 142
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 143
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> DISULFID
<222> (1)..(1)
<223> Bond with Polyethylene glycol

<220>
<221> VARIANT
<222> (2)...(7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 143
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 144
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> DISULFID
<222> (1)..(1)
<223> Bond with Polyethylene glycol

<220>
<221> VARIANT
<222> (2)...(7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 144
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 145
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 145
Cys Glu Glu Glu Glu Glu Glu
 1   5

<210> 146
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2)...(5)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6), (7)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 146
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 147
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5), (7)
<223> Xaa = D-Lys

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 147
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 148
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (4), (6)

<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (5), (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 148
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 149
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (3), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (4)
<223> Xaa = D-Ala

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 149
Xaa Xaa Xaa Xaa Xaa Gly Xaa
 1   5

<210> 150
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES

<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (3), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (4)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Gln

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 150
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 151
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (3), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (4)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-His

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 151
Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1 5

<210> 152
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (3), (5), (7)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (4)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ile

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 152
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 153
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (5)
<223> Xaa = D-Ala

<220>
<221> DISULFID
<222> (2)..(2)
<223> Bond with 1,3-diaminopropionic acid (DAP)

<220>
<221> VARIANT
<222> (3), (4), (6)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (6)
<223> C-terminal amidation

<400> 153
Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 154
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> MOD_RES
<222> (1)..(1)
<223> N-terminal acetylation

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (5)
<223> Xaa = D-Homoarginine

<220>
<221> VARIANT
<222> (7)
<223> Xaa = D-Arg

<220>
<221> MOD_RES
<222> (7)
<223> C-terminal amidation

<400> 154
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 155
<211> 7
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = a thiol-containing amino acid residue

<220>
<221> VARIANT
<222> (2)
<223> Xaa = a non-cationic amino acid residue

<220>
<221> VARIANT
<222> (3), (4), (7)
<223> Xaa = any amino acid residue

<220>
<221> VARIANT
<222> (5)
<223> Xaa = a cationic amino acid residue

<220>
<221> VARIANT
<222> (6)
<223> Xaa = a non-cationic amino acid residue

<400> 155
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 156
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> VARIANT
<222> (2)
<223> Xaa = a non-cationic amino acid residue

<220>
<221> VARIANT
<222> (3), (4), (7)
<223> Xaa = any amino acid residue

<220>
<221> VARIANT
<222> (5)
<223> Xaa = D-Arg, L-Arg, D-Lys or L-Lys

<220>
<221> VARIANT
<222> (6)
<223> Xaa = a non-cationic amino acid residue

<400> 156
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 157
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
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<223> Xaa = D-Cys

<220>
<221> VARIANT
<222> (2), (3), (4)
<223> Xaa = any amino acid residue

<220>
<221> VARIANT
<222> (5), (7)
<223> Xaa = any cationic amino acid residue

<220>
<221> VARIANT
<222> (6)
<223> Xaa = a non-cationic amino acid residue

<400> 157
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 158
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> VARIANT
<222> (2), (6)
<223> Xaa = a non-cationic amino acid residue

<220>
<221> VARIANT
<222> (3), (4), (7)
<223> Xaa = any amino acid residue

<220>
<221> VARIANT
<222> (5)
<223> Xaa = D-Arg, L-Arg, D-Lys or L-Lys

<400> 158
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 159
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> VARIANT
<222> (2)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (7)
<223> Xaa = any cationic amino acid residue

<220>
<221> VARIANT
<222> (5)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<400> 159
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5

<210> 160
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> VARIANT
<222> (2), (3), (7)
<223> Xaa = any cationic amino acid residue

<220>
<221> VARIANT
<222> (4)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (5)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<400> 160
Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1 5

<210> 161
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> VARIANT
<222> (1)
<223> Xaa = D-Cys

<220>
<221> VARIANT
<222> (2)
<223> Xaa = D-Ala

<220>
<221> VARIANT
<222> (3), (4), (7)
<223> Xaa = any amino acid

<220>
<221> VARIANT
<222> (5)
<223> Xaa = D-Arg

<220>
<221> VARIANT
<222> (6)
<223> Xaa = D-Ala

<400> 161
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 162
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 162
His Asp Ala Pro Ile Gly Tyr Asp
1 5

<210> 163
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 163
Cys His Asp Ala Pro Ile Gly Tyr Asp
1 5

<210> 164
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 164
Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
1 5 10

<210> 165
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 165
Cys Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
1 5 10

<210> 166
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 166
Cys Ser Phe Asn Ser Tyr Glu Leu Gly Ser Leu
1 5 10

<210> 167
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 167
Cys Pro Asp Tyr His Asp Ala Gly Ile
1 5

<210> 168
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 168
Cys Glu Ala Val Ser Leu Lys Pro Thr
1 5

<210> 169
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 169
Glu Ser Val Ser Leu Lys Pro Thr
1 5

<210> 170

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

<220>
<223> Synthetic peptide

<400> 170
Cys Arg Phe Ala Arg Lys Gly Ala Leu Arg Gln Lys Asn Val
1 5 10

<210> 171
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 171
Tyr Gly Arg Lys Lys Arg
1 5

<210> 172
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 172
Cys Tyr Gly Arg Lys Lys Arg
1 5

<210> 173
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 173
Tyr Gly Arg Arg Ala Arg Arg Arg Ala Arg Arg
1 5 10

<210> 174
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 174
Cys Tyr Gly Arg Arg Ala Arg Arg Arg Ala Arg Arg
1 5 10

<210> 175
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 175

Cys Arg Arg Arg
1

<210> 176
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 176
Cys Arg Arg Arg Arg
1 5

<210> 177
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 177
Cys Arg Arg Arg Arg Arg Arg Arg
1 5

<210> 178
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 178
Cys Arg Arg Arg Arg Arg Arg Arg Arg
1 5

<210> 179
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<220>
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<221> VARIANT
<222> (1)
<223> Xaa = L-Cys

<220>
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<222> (2), (6)
<223> Xaa = a non-cationic amino acid residue

<220>
<221> VARIANT
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<223> Xaa = any amino acid residue

<220>
<221> VARIANT
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<223> Xaa = D-Arg, L-Arg, D-Lys or L-Lys

<400> 183
Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5