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<110> AMGEN INC.

<120> POTENT AND SELECTIVE INHIBITORS OF NAV1.3 AND NAV1.7

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<150> 61/453,492
<151> 2011-03-16

<150> 61/608,088
<151> 2012-03-07

<160> 3098

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Val Phe

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Val Phe

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Val Phe Ala
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Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
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Tyr Val Phe
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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20 25 30

Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Glu Cys Lys Tyr
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Glu Tyr
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Glu
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Glu Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Glu

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe Glu
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Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
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Tyr Val Phe
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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20 25 30

Val Phe

<210> 51
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20 25 30

Val Phe

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Cys Arg Pro Asn Leu Lys Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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Val Phe

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20 25 30

Val Phe

<210> 55
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20 25 30

Val Phe

<210> 56
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Lys Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Lys
20 25 30

Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Lys Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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<210> 60
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Lys
35

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1 5 10 15

Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
20 25 30

Tyr Val Phe
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 63
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<220>
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<220>
<223> C-term Amide

<400> 63
Asp Cys Leu Arg Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 64
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 64
Asp Cys Leu Gly Phe Arg Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 65
<211> 34
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<220>
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<220>
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<400> 65
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 66
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 66
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 67
<211> 34
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<220>
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<220>
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<400> 67
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Arg Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 68
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 68
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Arg Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 69
<211> 34
<212> PRT
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<220>
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<220>
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<400> 69
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Arg Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 70
<211> 34
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<220>
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<220>
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<400> 70
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Arg His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 71
<211> 34
<212> PRT
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<220>
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<220>
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<400> 71
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr Arg Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 72
<211> 34
<212> PRT
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<220>
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<220>
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<400> 72
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 73
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
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<400> 73
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Arg Tyr
20 25 30

Val Phe

<210> 74
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<400> 74
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Arg Phe

<210> 75
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<400> 75
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Arg

<210> 76
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 76
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Arg
35

<210> 77
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 77
Xaa Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 78
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 78
Asp Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 79
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> 1-Nal

<220>
<223> C-term Amide

<400> 79
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Xaa Cys Lys Tyr
20 25 30

Val Phe

<210> 80
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 80
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 81
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 81
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 82
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 82
Asp Cys Leu Gly Trp Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 83
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 83
Asp Cys Leu Gly Phe Met Arg Lys Cys Trp Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 84
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 84
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr Trp Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 85
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<400> 85
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Trp
20 25 30

Val Phe

<210> 86
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 86
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Trp

<210> 87
<211> 35
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 87
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Trp
35

<210> 88
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 88
Asp Cys Leu Gly Ile Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 89
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 89
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 90
<211> 34
<212> PRT
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<220>
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<220>
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<400> 90
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 91
<211> 34
<212> PRT
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<220>
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<220>
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<400> 91
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Ser Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

<220>
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<220>
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<400> 92
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 93
<211> 35
<212> PRT
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<220>
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<220>

<223> C-term Amide

<400> 93
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Ser Ser Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
20 25 30

Tyr Val Phe
35

<210> 94
<211> 34
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<220>
<223> C-term Amide

<400> 94
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Lys Thr Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

<220>
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<220>
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<400> 95
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Gln Phe

<210> 96

<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 96
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Ile

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

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

<220>
<223> C-term Amide

<400> 97
Tyr Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

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

<220>
<223> C-term Amide

<400> 98
Asp Cys Gln Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 99
<211> 35
<212> PRT
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<220>
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<220>
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<220>
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<400> 99
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Lys
20 25 30

Val Xaa Trp
35

<210> 100
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 100
Ala Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys
1 5 10 15

Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
20 25 30

Tyr Val Phe
35

<210> 101
<211> 34

<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 101
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Ala

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

<220>
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<220>
<223> C-term Amide

<400> 102
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1 5 10 15

Cys Arg Pro Asn Leu Glu Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

<220>
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<220>
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<400> 103
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Arg Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 104
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 104
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

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

<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 105
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 106
<211> 35
<212> PRT

<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 106
Trp Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys
1 5 10 15

Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
20 25 30

Tyr Val Phe
35

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

<220>
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polypeptide

<220>
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<400> 107
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 108
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 108
Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys Cys
1 5 10 15

Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr Val

20 25 30

Phe

<210> 109
<211> 34
<212> PRT
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<220>
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<220>
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<400> 109
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr Phe Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 110
<211> 34
<212> PRT
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<220>
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<220>
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<400> 110
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr Tyr Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 111
<211> 34
<212> PRT
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<220>
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<220>
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<400> 111
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr Leu Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 112
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<212> PRT
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<220>
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<220>
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<400> 112
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Phe Cys Lys Tyr
20 25 30

Val Phe

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

<220>
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<220>
<223> C-term Amide

<400> 113
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

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

<220>
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<220>
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<400> 114
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

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

<220>
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<220>
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<223> Cit

<220>
<223> C-term Amide

<400> 115
Asp Cys Leu Gly Phe Met Xaa Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

<220>
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<220>
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<222> (18)..(18)
<223> Cit

<220>
<223> C-term Amide

<400> 116
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Xaa Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 117
<211> 34
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<220>
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<220>
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<223> Cit

<220>
<223> C-term Amide

<400> 117
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Xaa Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

<220>
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<220>
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<400> 118
Asp Cys Leu Gly Phe Met Arg Thr Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

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

<220>
<223> C-term Amide

<400> 119
Asp Cys Leu Gly Phe Met Arg Lys Cys Asp Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

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

<220>
<223> C-term Amide

<400> 120
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Met Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<223> C-term Amide

<400> 121
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 122
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Leu

<210> 123
<211> 34
<212> PRT
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polypeptide

<220>
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<220>
<223> C-term Amide

<400> 123
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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

<220>
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<223> C-term Amide

<400> 124
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 125
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<220>
<223> C-term Amide

<400> 125
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Xaa Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 126
<211> 34
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1 5 10 15

Cys Arg Gly Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 127
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Lys
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Val Phe Trp
35

<210> 128
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 129
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Xaa Cys Lys Tyr
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Val Phe

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 131
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<220>
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<400> 131
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Xaa
35

<210> 132
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<220>
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<220>
<223> C-term Amide

<400> 132
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Val Phe

<210> 133
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Val Phe Trp
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Phe

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Val Phe

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Val Xaa

<210> 137
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 138
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20 25 30

Val Xaa Trp
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<210> 139
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20 25 30

Val Xaa Trp
35

<210> 140
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polypeptide

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Ala Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 141
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 142
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Val Phe

<210> 143
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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20 25 30

Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Glu Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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Val Phe

<210> 152

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 155
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20 25 30

Val Phe

<210> 156
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1 5 10 15

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20 25 30

Val Phe

<210> 157
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polypeptide

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20 25 30

Val Phe

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Val Phe

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1 5 10 15

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 161
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 163
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Val Phe

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1 5 10 15

Cys Arg Pro Asn Xaa Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 166
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1 5 10 15

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20 25 30

Val Phe

<210> 167
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20 25 30

Val Phe

<210> 168
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1 5 10 15

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20 25 30

Xaa Phe

<210> 169
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 170
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 171
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1 5 10 15

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Val Phe

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polypeptide

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Val Phe

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polypeptide

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1 5 10 15

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20 25 30

Val Phe

<210> 174
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<220>
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<400> 174
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1 5 10 15

Cys Trp Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 175
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<220>
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20 25 30

Val Phe

<210> 176
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<220>
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20 25 30

Val Phe

<210> 177
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20 25 30

Val Phe

<210> 178
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Trp His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 179
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<212> PRT
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<220>
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<400> 179
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Trp Tyr
20 25 30

Val Phe

<210> 180
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<212> PRT
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Trp Phe

<210> 181
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<220>
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<400> 181
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

<210> 182
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 182
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Gln Xaa

<210> 183
<211> 34
<212> PRT
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<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 183
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Gln Xaa

<210> 184
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 184
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Arg Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Gln Xaa

<210> 185
<211> 34
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<220>
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polypeptide

<220>
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<220>
<223> C-term Amide

<400> 185
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1 5 10 15

Cys Arg Pro Arg Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Gln Xaa

<210> 186
<211> 34
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polypeptide

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<220>
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<400> 186
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Gln Xaa

<210> 187
<211> 36
<212> PRT
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<220>
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polypeptide

<220>
<223> C-term Amide

<400> 187
Arg Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys
1 5 10 15

Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
20 25 30

Tyr Val Phe Trp
35

<210> 188
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> pGlu

<220>
<223> C-term Amide

<400> 188
Xaa Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 189
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 189
Ile Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 190
<211> 34
<212> PRT
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<220>
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<220>
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<400> 190
Pro Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 191
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 191
Ser Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 192
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 192
Thr Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 193
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 193
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Leu Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 194
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 194
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Gly Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 195
<211> 34
<212> PRT
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<220>
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<220>
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<400> 195
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Ile Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 196
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
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<400> 196
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Thr Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 197
<211> 34
<212> PRT
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polypeptide

<220>
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<400> 197
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 198
<211> 34
<212> PRT
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polypeptide

<220>
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<400> 198
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1 5 10 15

Cys Arg Pro Gly Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 199
<211> 34
<212> PRT
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<220>
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<220>
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<400> 199
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1 5 10 15

Cys Arg Pro Phe Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 200
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 200
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Tyr Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 201
<211> 35
<212> PRT
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<220>
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<220>
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<222> (1)..(1)
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<220>
<223> C-term Amide

<400> 201
Xaa Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys
1 5 10 15

Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
20 25 30

Tyr Val Phe
35

<210> 202
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 202
Asp Cys Trp Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 203
<211> 34
<212> PRT
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<220>
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<220>
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<222> (3)..(3)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 203
Asp Cys Xaa Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 204
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 204
Asp Cys Leu Gly Lys Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 205
<211> 34
<212> PRT
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<220>
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<220>
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<400> 205
Asp Cys Leu Gly Phe Met Trp Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 206
<211> 34
<212> PRT
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<220>
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<220>
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<220>
<223> C-term Amide

<400> 206
Asp Cys Leu Gly Phe Met Xaa Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 207
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 207
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 208
<211> 34
<212> PRT
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<220>
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<220>
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<220>
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<400> 208

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 209
<211> 34
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<220>
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<400> 209
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 210
<211> 34
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 211
<211> 34
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<220>
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<220>
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<220>
<223> C-term Amide

<400> 211
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 212
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 212
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Ala Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 213
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 213
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Glu Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 214
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 214
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Lys Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 215
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 215
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 216
<211> 34
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
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<400> 216
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Trp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 217
<211> 34
<212> PRT
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polypeptide

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<223> 1-Nal

<220>
<223> C-term Amide

<400> 217
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Xaa Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 218
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
<223> C-term Amide

<400> 218
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Trp Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 219
<211> 34
<212> PRT
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<220>
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<400> 219
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 220
<211> 34
<212> PRT
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<220>
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<220>
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<400> 220
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1 5 10 15

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

Val Phe

<210> 221
<211> 34

<212> PRT
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<220>
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<400> 221
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1 5 10 15

Cys Xaa Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 222
<211> 34
<212> PRT
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<220>
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<220>
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<400> 222
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

<210> 223
<211> 34
<212> PRT
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<220>
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<220>
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<400> 223
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Glu Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 224
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 224
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

<210> 225
<211> 34
<212> PRT
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<220>
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<220>
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<400> 225
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1 5 10 15

Cys Arg Xaa Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 226
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 226
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Ala Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 227
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 227
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Glu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 228
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 228

Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Lys Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 229
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 229
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Arg Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 230
<211> 34
<212> PRT
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<220>
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<220>
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<220>
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<400> 230
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Xaa Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 231
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
<223> C-term Amide

<400> 231
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Lys Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 232
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<400> 232
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Arg Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 233
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 233
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Trp Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 234
<211> 34
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<220>
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<220>
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<222> (24)..(24)
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<220>
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<400> 234
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Xaa Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 235
<211> 34
<212> PRT
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<220>
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<220>
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<400> 235
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Trp Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 236
<211> 34
<212> PRT
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polypeptide

<220>
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<222> (25)..(25)
<223> 1-Nal

<220>
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<400> 236
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Xaa Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 237
<211> 34
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polypeptide

<220>
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<220>
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<400> 237
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Xaa His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 238
<211> 34
<212> PRT
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<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
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<400> 238
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Trp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 239
<211> 34
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polypeptide

<220>
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<222> (28)..(28)
<223> 1-Nal

<220>
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<400> 239
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 240
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<220>
<223> C-term Amide

<400> 240
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Xaa Tyr
20 25 30

Val Phe

<210> 241
<211> 35
<212> PRT
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<220>
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<223> 1Nal

<220>
<223> C-term Amide

<400> 241
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Xaa
35

<210> 242
<211> 34
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<223> Bip

<220>
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<400> 242
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 243
<211> 34
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<220>
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<220>
<223> C-term Amide

<400> 243
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 244
<211> 34
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<220>
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<220>
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<400> 244
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 245
<211> 34
<212> PRT

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<220>
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<223> Cha

<220>
<223> C-term Amide

<400> 245
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 246
<211> 34
<212> PRT
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<220>
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<223> 1'NMeTrp

<220>
<223> C-term Amide

<400> 246
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 247
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<223> pI-Phe

<220>
<223> C-term Amide

<400> 247
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 248
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 248
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Ile Phe

<210> 249
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 249
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 250
<211> 34
<212> PRT
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<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 251
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 251
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 252
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Trp Phe

<210> 253
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 253
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Trp
20 25 30

Val Phe

<210> 254
<211> 34
<212> PRT
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<220>

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<223> 1-Nal

<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 255
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 256
<211> 34
<212> PRT
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 256
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 257
<211> 34
<212> PRT
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<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 258
<211> 34
<212> PRT
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 258
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 259
<211> 34

<212> PRT
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<220>
<223> C-term Amide

<400> 259
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 260
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<212> PRT
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<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 261
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<212> PRT
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<220>
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<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 262
<211> 34
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<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 263
<211> 34
<212> PRT
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<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 264
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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<223> 1'NMeTrp

<220>
<223> C-term Amide

<400> 264
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 265
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<212> PRT
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<220>
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polypeptide

<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 266
<211> 34
<212> PRT
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polypeptide

<220>
<223> C-term Amide

<400> 266

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 267
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 268
<211> 34
<212> PRT
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 269
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<212> PRT
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polypeptide

<220>
<223> C-term Amide

<400> 269
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 270
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 271
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
<223> C-term Amide

<400> 271
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 272
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 272
Asp Cys Leu Gly Val Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 273
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> D-amino acid

<220>
<223> C-term Amide

<400> 273
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 274
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> NMeTrp

<220>
<223> C-term Amide

<400> 274
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 275
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
<223> C-term Amide

<400> 275
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 276
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>

<221> MOD_RES
<222> (5)..(5)
<223> 4CO2-Phe

<220>
<223> C-term Amide

<400> 276
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 277
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (5)..(5)
<223> 2PAL

<220>
<223> C-term Amide

<400> 277
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 278
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 278
Asp Cys Leu Gly Phe Asn Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 279
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 279
Asp Cys Leu Gly Phe Gln Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 280
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 280
Asp Cys Leu Gly Phe Gly Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 281
<211> 34
<212> PRT
<213> Artificial Sequence

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

polypeptide

<220>
<223> C-term Amide

<400> 281
Asp Cys Leu Gly Phe His Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 282
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 282
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 283
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 283
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 284
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polypeptide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 285
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 286
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 286
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 287
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 287
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 288
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 288
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 289
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<223> NMeTrp

<220>
<223> C-term Amide

<400> 289
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 290
<211> 34
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<220>
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polypeptide

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<220>
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<400> 290
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 291
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> pI-Phe

<220>
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<400> 291
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 292
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<220>
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<400> 292
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 293
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> 4CO2-Phe

<220>
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<400> 293
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 294
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (6)..(6)
<223> 2PAL

<220>
<223> C-term Amide

<400> 294
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 295
<211> 34
<212> PRT
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<220>
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<222> (7)..(7)
<223> Lys(Me2)

<220>

<223> C-term Amide

<400> 295
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 296
<211> 34
<212> PRT
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<220>
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<220>
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<222> (7)..(7)
<223> SDMArg

<220>
<223> C-term Amide

<400> 296
Asp Cys Leu Gly Phe Met Xaa Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 297
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> SDMArg

<220>
<223> C-term Amide

<400> 297
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 298
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (8)..(8)
<223> Lys(Me2)

<220>
<223> C-term Amide

<400> 298
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 299
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 299
Asp Cys Leu Gly Phe Met Arg Lys Cys Tyr Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 300
<211> 34

<212> PRT
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<220>
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<223> NMeTrp

<220>
<223> C-term Amide

<400> 300
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 301
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 301
Asp Cys Leu Gly Phe Met Arg Lys Cys Val Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 302
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 302
Asp Cys Leu Gly Phe Met Arg Lys Cys Phe Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 303
<211> 34
<212> PRT
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<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 304
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 304
Asp Cys Leu Gly Phe Met Arg Lys Cys His Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 305
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 305
Asp Cys Leu Gly Phe Met Arg Lys Cys Ser Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 306

<400> 306
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<210> 307
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<220>
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polypeptide

<220>
<223> C-term Amide

<400> 307
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 308
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 309
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 310
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (10)..(10)
<223> 4CO2-Phe

<220>
<223> C-term Amide

<400> 310
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 311
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> 2PAL

<220>
<223> C-term Amide

<400> 311
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 312
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (15)..(15)
<223> SDMArg

<220>
<223> C-term Amide

<400> 312
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 313
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<221> MOD_RES
<222> (15)..(15)
<223> Lys(Me2)

<220>
<223> C-term Amide

<400> 313
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 314
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<223> Lys(Me2)

<220>
<223> C-term Amide

<400> 314
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1 5 10 15

Cys Xaa Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 315
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<223> SDMArg

<220>
<223> C-term Amide

<400> 315
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1 5 10 15

Cys Xaa Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 316
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<220>
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<223> 2PAL

<220>
<223> C-term Amide

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1 5 10 15

Cys Xaa Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 317
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<220>
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<223> 4CO2-Phe

<220>

<223> C-term Amide

<400> 317
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Cys Arg Pro Asn Xaa Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 318
<211> 34
<212> PRT
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<220>
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<223> 2PAL

<220>
<223> C-term Amide

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Cys Arg Pro Asn Xaa Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 319
<211> 34
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<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Phe Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 320
<211> 34
<212> PRT
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<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Pro Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 321
<211> 34
<212> PRT
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<220>
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<220>
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<400> 321
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1 5 10 15

Cys Arg Pro Asn Leu Ile Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 322
<211> 34
<212> PRT
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<220>
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<220>
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<400> 322
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1 5 10 15

Cys Arg Pro Asn Leu Leu Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 323
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 323
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1 5 10 15

Cys Arg Pro Asn Leu Ser Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 324
<211> 34
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<220>
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<220>
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<400> 324
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1 5 10 15

Cys Arg Pro Asn Leu Gly Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 325
<211> 34

<212> PRT
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<220>
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<220>
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Cys Arg Pro Asn Leu Asn Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 326
<211> 34
<212> PRT
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<220>
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<220>
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<400> 326
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1 5 10 15

Cys Arg Pro Asn Leu His Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 327
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 327
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1 5 10 15

Cys Arg Pro Asn Leu Asp Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 328
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> NMePhe

<220>
<223> C-term Amide

<400> 328
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1 5 10 15

Cys Arg Pro Asn Leu Xaa Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 329
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 329
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Thr Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 330
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> Phg

<220>
<223> C-term Amide

<400> 330
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1 5 10 15

Cys Arg Pro Asn Leu Xaa Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 331
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 331
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Tyr Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 332
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 332

Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Met Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 333
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (22)..(22)
<223> 4CO2-Phe

<220>
<223> C-term Amide

<400> 333
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Xaa Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 334
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (22)..(22)
<223> 2PAL

<220>
<223> C-term Amide

<400> 334
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Xaa Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 335
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (25)..(25)
<223> Lys(Me2)

<220>
<223> C-term Amide

<400> 335
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Xaa Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 336
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> SDMArg

<220>
<223> C-term Amide

<400> 336
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Xaa Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 337
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg His His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 338
<211> 34
<212> PRT
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<220>
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<220>
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Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Ser His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 339
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 339
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Gln His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 340
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 340
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Tyr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 341
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 341
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Phe His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 342
<211> 34
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
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<400> 342
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Asn His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 343
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 343
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Gly His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 344
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 344
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Val His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 345
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Pro His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 346
<211> 34
<212> PRT
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<220>
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<220>
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<400> 346
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Met His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 347
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 347
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Asp His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 348
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 348
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Ile His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 349
<211> 34
<212> PRT
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<220>
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<220>
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<222> (26)..(26)
<223> 2PAL

<220>
<223> C-term Amide

<400> 349
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Xaa His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 350
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<222> (26)..(26)
<223> 4CO2-Phe

<220>
<223> C-term Amide

<400> 350
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Xaa His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 351
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> 4CO2-Phe

<220>
<223> C-term Amide

<400> 351
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr Xaa Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 352
<211> 34
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<213> Artificial Sequence

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polypeptide

<220>
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<222> (27)..(27)
<223> 2PAL

<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr Xaa Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 353
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (27)..(27)
<223> SDMArg

<220>
<223> C-term Amide

<400> 353
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr Xaa Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 354
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (27)..(27)
<223> Lys(Me2)

<220>
<223> C-term Amide

<400> 354
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr Xaa Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 355
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (28)..(28)
<223> Lys(Me2)

<220>
<223> C-term Amide

<400> 355
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 356
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (28)..(28)
<223> SDMArg

<220>
<223> C-term Amide

<400> 356
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 357
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (29)..(29)
<223> NMeTrp

<220>
<223> C-term Amide

<400> 357
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Xaa Cys Lys Tyr
20 25 30

Val Phe

<210> 358
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (29)..(29)
<223> pI-Phe

<220>
<223> C-term Amide

<400> 358
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Xaa Cys Lys Tyr
20 25 30

Val Phe

<210> 359
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (29)..(29)
<223> NMePhe

<220>
<223> C-term Amide

<400> 359
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Xaa Cys Lys Tyr
20 25 30

Val Phe

<210> 360
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (29)..(29)
<223> Bip

<220>
<223> C-term Amide

<400> 360
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Xaa Cys Lys Tyr
20 25 30

Val Phe

<210> 361
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (29)..(29)
<223> 1'NMeTrp

<220>
<223> C-term Amide

<400> 361
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Xaa Cys Lys Tyr
20 25 30

Val Phe

<210> 362
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (29)..(29)
<223> Phg

<220>
<223> C-term Amide

<400> 362
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Xaa Cys Lys Tyr
20 25 30

Val Phe

<210> 363
<211> 34

<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (29)..(29)
<223> 4CO2-Phe

<220>
<223> C-term Amide

<400> 363
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Xaa Cys Lys Tyr
20 25 30

Val Phe

<210> 364
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (31)..(31)
<223> 2PAL

<220>
<223> C-term Amide

<400> 364
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Xaa Tyr
20 25 30

Val Phe

<210> 365
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<221> MOD_RES
<222> (31)..(31)
<223> SDMArg

<220>
<223> C-term Amide

<400> 365
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Xaa Tyr
20 25 30

Val Phe

<210> 366
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 366
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Gln
20 25 30

Val Phe

<210> 367
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 367
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Ile

20 25 30

Val Phe

<210> 368
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 368
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Met
20 25 30

Val Phe

<210> 369
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 369
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Thr
20 25 30

Val Phe

<210> 370
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (32)..(32)
<223> NMePhe

<220>
<223> C-term Amide

<400> 370
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 371
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<221> MOD_RES
<222> (32)..(32)
<223> NMeTrp

<220>
<223> C-term Amide

<400> 371
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 372
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 372
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Val
20 25 30

Val Phe

<210> 373
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 373
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Leu
20 25 30

Val Phe

<210> 374
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (32)..(32)
<223> Phg

<220>
<223> C-term Amide

<400> 374
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 375
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (32)..(32)
<223> Cha

<220>
<223> C-term Amide

<400> 375
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 376
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (32)..(32)
<223> Bip

<220>
<223> C-term Amide

<400> 376
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 377
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<223> C-term Amide

<400> 377
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Phe
20 25 30

Val Phe

<210> 378
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 378
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Gly
20 25 30

Val Phe

<210> 379
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 379
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Asn
20 25 30

Val Phe

<210> 380
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 380
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys His
20 25 30

Val Phe

<210> 381
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (32)..(32)
<223> pI-Phe

<220>
<223> C-term Amide

<400> 381
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 382
<211> 34
<212> PRT
<213> Artificial Sequence

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

polypeptide

<220>
<223> C-term Amide

<400> 382
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Ser
20 25 30

Val Phe

<210> 383
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 383
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Pro
20 25 30

Val Phe

<210> 384
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (32)..(32)
<223> 2PAL

<220>
<223> C-term Amide

<400> 384
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 385
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (32)..(32)
<223> 4CO2-Phe

<220>
<223> C-term Amide

<400> 385
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 386
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (33)..(33)
<223> Cha

<220>
<223> C-term Amide

<400> 386
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 387

<400> 387
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<210> 388
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (33)..(33)
<223> NMePhe

<220>
<223> C-term Amide

<400> 388
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 389
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (33)..(33)
<223> NMeTrp

<220>
<223> C-term Amide

<400> 389
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 390
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 390
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Phe Phe

<210> 391
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 391
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Met Phe

<210> 392
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 392

Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

His Phe

<210> 393
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (33)..(33)
<223> Phg

<220>
<223> C-term Amide

<400> 393
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 394
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 394
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Asn Phe

<210> 395
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 395
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Asp Phe

<210> 396
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 396
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Thr Phe

<210> 397
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 397
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Ser Phe

<210> 398
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 398
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Pro Phe

<210> 399
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 399
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Tyr Phe

<210> 400
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 400
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Leu Phe

<210> 401
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 401
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Gly Phe

<210> 402
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (33)..(33)
<223> 2PAL

<220>
<223> C-term Amide

<400> 402
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 403
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (33)..(33)
<223> 4CO2-Phe

<220>
<223> C-term Amide

<400> 403
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 404
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)..(34)
<223> D-amino acid

<220>
<223> C-term Amide

<400> 404
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 405
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Cha

<220>
<223> C-term Amide

<400> 405
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 406
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)..(34)
<223> Phg

<220>
<223> C-term Amide

<400> 406
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 407
<211> 34

<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)..(34)
<223> NMeTrp

<220>
<223> C-term Amide

<400> 407
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 408
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)..(34)
<223> NMePhe

<220>
<223> C-term Amide

<400> 408
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 409
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (34)..(34)
<223> 1'NMeTrp

<220>
<223> C-term Amide

<400> 409
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 410
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<221> MOD_RES
<222> (34)..(34)
<223> 4CO2-Phe

<220>
<223> C-term Amide

<400> 410
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 411
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
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<222> (34)..(34)
<223> 2PAL

<220>
<223> C-term Amide

<400> 411
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 412
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (35)..(35)
<223> 2-Nal

<220>
<223> C-term Amide

<400> 412
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Xaa
35

<210> 413
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 4CO2-Phe

<220>
<223> C-term Amide

<400> 413
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Xaa
35

<210> 414
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (35)..(35)
<223> 2PAL

<220>
<223> C-term Amide

<400> 414
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Xaa
35

<210> 415
<211> 33
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 415
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val

<210> 416
<211> 32
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 416
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

<210> 417
<211> 31
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 417
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
20 25 30

<210> 418
<211> 30
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 418
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys
20 25 30

<210> 419
<211> 34

<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 419
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Glu Phe

<210> 420
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 420
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 421
<211> 34
<212> PRT
<213> Artificial Sequence

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

<223> 1-Nal

<220>
<223> C-term Amide

<400> 421
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Xaa Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 422
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 422
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Trp Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 423
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 423
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Trp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 424
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 424
Asp Cys Leu Trp Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 425
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (1)..(1)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 425
Xaa Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 426
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 426
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Ala Phe

<210> 427
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (13)..(13)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 427
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 428
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 428
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Trp Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 429
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 429
Asp Cys Leu Glu Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 430
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 430
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Glu

<210> 431
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 431
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Ala

<210> 432
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 432
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Ala
20 25 30

Val Phe

<210> 433
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 433
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

<210> 434
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 434
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

<210> 435
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 435
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 436
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 436
Asp Cys Leu Gly Ala Met Glu Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 437
<211> 34
<212> PRT
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<220>
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<220>
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<400> 437
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Glu Cys Lys Tyr
20 25 30

Val Phe

<210> 438
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 438
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Glu Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 439
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<223> C-term Amide

<400> 439
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Glu Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 440
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 440
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Trp
20 25 30

Val Phe

<210> 441
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<222> (10)..(10)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 441
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 442
<211> 34
<212> PRT
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<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 442
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 443
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 443
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Trp
20 25 30

Val Phe

<210> 444
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
<223> C-term Amide

<400> 444
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Trp Phe

<210> 445
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 445
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 446
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 446
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Trp
20 25 30

Val Phe

<210> 447
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 447
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Tyr
20 25 30

Trp Phe

<210> 448
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 448
Asp Cys Leu Gly Phe Trp Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 449
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 449
Asp Cys Leu Gly Phe Trp Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Trp
20 25 30

Val Phe

<210> 450
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 450
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Trp
20 25 30

Trp Phe

<210> 451
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (6)..(6)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 451

Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Trp
20 25 30

Val Phe

<210> 452
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (10)..(10)
<223> 1-Nal

<220>
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<222> (32)..(32)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 452
Asp Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 453
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<400> 453
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

<210> 454
<211> 34
<212> PRT
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<220>
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<223> 1-Nal

<220>
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<400> 454
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 455
<211> 34
<212> PRT
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<220>
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<220>
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<223> 1-Nal

<220>
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<400> 455
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Trp
20 25 30

Xaa Phe

<210> 456
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 456
Asp Cys Leu Gly Phe Trp Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 457
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 1-Nal

<220>
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<400> 457
Asp Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 458
<211> 34
<212> PRT
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<220>

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polypeptide

<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 458
Asp Cys Leu Gly Phe Trp Arg Lys Cys Xaa Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 459
<211> 34
<212> PRT
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polypeptide

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<222> (10)..(10)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 459
Asp Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Trp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 460
<211> 34
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polypeptide

<220>
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<222> (32)..(32)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 460
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Trp Phe

<210> 461
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (33)..(33)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 461
Asp Cys Leu Gly Phe Trp Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 462
<211> 34
<212> PRT
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<220>
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<400> 462
Asp Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 463
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<220>
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<400> 463
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 464
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<220>
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<400> 464

Trp Asp Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Asp Asn Asp Lys
1 5 10 15

Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
20 25 30

Tyr Val Phe
35

<210> 465
<211> 34
<212> PRT
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<220>
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<220>
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<222> (10)..(10)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 465
Trp Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 466
<211> 34
<212> PRT
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<220>
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<220>
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<223> 1-Nal

<220>
<221> MOD_RES
<222> (10)..(10)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 466
Xaa Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Asp Asn Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 467
<211> 34
<212> PRT
<213> Grammostola porteri

<220>
<223> C-term Amide

<400> 467
Asp Cys Leu Gly Phe Met Arg Lys Cys Ser Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Lys His Lys Trp Cys Lys Tyr
20 25 30

Glu Ile

<210> 468
<211> 33
<212> PRT
<213> Grammostola porteri

<220>
<223> C-term Amide

<400> 468
Asp Cys Leu Gly Trp Phe Lys Gly Cys Asp Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Glu Gly Tyr Lys Cys Asn Arg Arg Asp Lys Trp Cys Lys Tyr Lys
20 25 30

Leu

<210> 469
<211> 33
<212> PRT
<213> Grammostola porteri

<220>
<223> C-term Amide

<400> 469
Asp Cys Leu Gly Trp Phe Lys Gly Cys Asp Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Glu Asn Tyr Lys Cys Asn Arg Arg Glu Gln Trp Cys Lys Tyr Lys
20 25 30

Leu

<210> 470
<211> 35
<212> PRT
<213> Grammostola porteri

<400> 470
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Lys
35

<210> 471
<211> 35
<212> PRT
<213> Grammostola porteri

<400> 471
Asp Cys Leu Gly Trp Phe Lys Gly Cys Asp Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Glu Gly Tyr Lys Cys Asn Arg Arg Asp Lys Trp Cys Lys Tyr Lys
20 25 30

Leu Trp Lys
35

<210> 472
<211> 34
<212> PRT
<213> Grammostola porteri

<400> 472
Asp Cys Leu Gly Trp Phe Lys Gly Cys Asp Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Glu Gly Tyr Lys Cys Asn Arg Arg Asp Lys Trp Cys Lys Tyr Lys
20 25 30

Leu Trp

<210> 473
<211> 35
<212> PRT
<213> Grammostola porteri

<400> 473
Asp Cys Leu Gly Trp Phe Lys Gly Cys Asp Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Glu Asn Tyr Lys Cys Asn Arg Arg Asp Lys Trp Cys Lys Tyr Lys
20 25 30

Leu Trp Lys
35

<210> 474
<211> 34
<212> PRT
<213> Grammostola porteri

<400> 474
Asp Cys Leu Gly Trp Phe Lys Gly Cys Asp Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Glu Asn Tyr Lys Cys Asn Arg Arg Asp Lys Trp Cys Lys Tyr Lys
20 25 30

Leu Trp

<210> 475
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Any amino acid or absent

<220>
<221> MOD_RES
<222> (3)..(3)
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<222> (4)..(4)
<223> Any acidic, hydrophobic, basic or neutral hydrophilic amino acid

<220>
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<222> (5)..(5)
<223> Gly, Ala or any hydrophobic or basic amino acid

<220>
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<223> Gly, Ala, 2-Abu, Nle, Nva or any hydrophobic amino acid

<220>
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<223> Gly, Ala or any aromatic or hydrophobic amino acid

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<223> Any basic, acidic or neutral hydrophilic amino acid or Ala

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<222> (9)..(9)
<223> Any basic or neutral hydrophilic amino acid

<220>
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<223> Cys or SeCys

<220>
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<223> Any amino acid

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<223> Cys or SeCys

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<223> Ala or any acidic, basic or neutral hydrophilic amino acid

<220>
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<220>
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6-chloroTrp or thioTrp

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<222> (31)..(31)
<223> Cys or SeCys

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<223> Any hydrophobic or aromatic amino acid

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<222> (34)..(34)
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<223> Any hydrophobic amino acid

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<223> Any neutral, basic or hydrophobic amino acid or absent

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<223> Any neutral, basic or hydrophobic amino acid or absent

<220>
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<220>
<223> C-term optionally amidated

<220>
<223> see specification as filed for detailed description of substitutions and preferred embodiments

<400> 475
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Xaa
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa
35

<210> 476
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
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<223> Any amino acid or absent

<220>
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<221> MOD_RES
<222> (4)..(4)
<223> Any acidic, hydrophobic, basic or neutral hydrophilic amino acid

<220>
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<222> (5)..(5)
<223> Gly, Ala or any hydrophobic or basic amino acid

<220>
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<222> (7)..(7)
<223> Gly, Ala or any aromatic or hydrophobic amino acid

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Any basic, acidic, or neutral hydrophobic amino acid or Ala

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<222> (9)..(9)
<223> Any basic or neutral hydrophilic amino acid

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Any amino acid

<220>
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<222> (12)..(12)
<223> Pro or any acidic, neutral or hydrophobic amino acid

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<222> (13)..(13)
<223> Any amino acid

<220>
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<222> (14)..(14)
<223> Any amino acid

<220>
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<222> (16)..(16)
<223> Any basic, neutral hydrophilic or acidic amino acid or Ala

<220>
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<223> Any amino acid

<220>
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<222> (20)..(20)
<223> Pro, Gly or any basic or neutral hydrophilic amino acid

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<223> Any basic, hydrophobic or neutral hydrophilic amino acid

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<222> (22)..(22)
<223> Any hydrophobic or basic amino acid

<220>
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<222> (23)..(23)
<223> Any hydrophobic, basic or neutral hydrophilic amino acid

<220>
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<222> (25)..(25)
<223> Ser, Ala or any neutral hydrophilic amino acid

<220>
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<222> (26)..(26)
<223> Ala or any acidic, basic or neutral hydrophilic amino acid

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<222> (27)..(27)
<223> Any acidic, basic, neutral hydrophilic or hydrophobic amino acid

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<222> (28)..(28)
<223> Any aromatic or basic amino acid

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<222> (29)..(29)
<223> Any acidic, basic or neutral hydrophilic amino acid

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Trp, 5-bromoTrp, 6-bromoTrp, 1-Nal, 2-Nal, 5-chloroTrp, 6-chloroTrp or thioTrp

<220>
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<222> (33)..(33)
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<221> MOD_RES
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<223> Any amino acid

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<222> (35)..(35)
<223> Any hydrophobic amino acid

<220>
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<223> Any neutral, basic or hydrophobic amino acid or absent

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<223> Any neutral, basic or hydrophobic amino acid or absent

<220>
<223> C-term optionally amidated

<220>
<223> see specification as filed for detailed description of substitutions and preferred embodiments

<400> 476
Xaa Xaa Cys Xaa Xaa Ala Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp Xaa
1 5 10 15

Cys Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Lys
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa
35

<210> 477
<211> 20
<212> PRT
<213> Artificial Sequence

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

<400> 477
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser
20

<210> 478
<211> 246
<212> PRT
<213> Artificial Sequence

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

<400> 478
Met Glu Trp Ser Trp Val Phe Leu Phe Phe Leu Ser Val Thr Thr Gly
1 5 10 15

Val His Ser Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
20 25 30

Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
35 40 45

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
50 55 60

Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
65 70 75 80

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Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn
                85                  90                  95

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
            100                 105                 110

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
        115                 120                 125

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
    130                 135                 140

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn
145                 150                 155                 160

Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
                165                 170                 175

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
            180                 185                 190

Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
        195                 200                 205

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
    210                 215                 220

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
225                 230                 235                 240

Ser Leu Ser Pro Gly Lys
                245


<210> 479
<211> 6
<212> PRT
<213> Artificial Sequence

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


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<220>
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<222> (2)..(2)
<223> Any amino acid

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<222> (4)..(4)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Any amino acid

<400> 479
Xaa Xaa Asn Xaa Xaa Gly
1 5

<210> 480
<211> 4
<212> PRT
<213> Artificial Sequence

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

<400> 480
Gly Gly Gly Gly
1

<210> 481
<211> 5
<212> PRT
<213> Artificial Sequence

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

<400> 481
Gly Gly Gly Gly Gly
1 5

<210> 482
<211> 7
<212> PRT
<213> Artificial Sequence

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

<400> 482
Gly Gly Gly Gly Gly Gly Gly
1 5

<210> 483
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 483
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 484
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
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<400> 484
Gly Gly Gly Gly Gly Lys
1 5

<210> 485
<211> 7
<212> PRT
<213> Artificial Sequence

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

<400> 485
Gly Gly Gly Gly Gly Lys Arg
1 5

<210> 486
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 486
Gly Gly Gly Lys Gly Gly Gly Gly
1 5

<210> 487
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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<400> 487
Gly Gly Gly Asn Gly Ser Gly Gly
1 5

<210> 488
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 488
Gly Gly Gly Cys Gly Gly Gly Gly

1 5

<210> 489
<211> 5
<212> PRT
<213> Artificial Sequence

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

<400> 489
Gly Pro Asn Gly Gly
1 5

<210> 490
<211> 8
<212> PRT
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<220>
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Gly Gly Gly Lys Gly Gly Gly Gly
1 5

<210> 491
<211> 5
<212> PRT
<213> Artificial Sequence

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

<400> 491
Gly Gly Gly Gly Ser
1 5

<210> 492
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 492
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10

<210> 493
<211> 25
<212> PRT
<213> Artificial Sequence

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

<400> 493
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser
20 25

<210> 494
<211> 6
<212> PRT
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<220>
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<400> 494
Gly Gly Glu Gly Gly Gly
1 5

<210> 495
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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1 5

<210> 496
<211> 5
<212> PRT
<213> Artificial Sequence

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

<400> 496
Gly Glu Glu Glu Gly
1 5

<210> 497
<211> 4
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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Gly Glu Glu Glu
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<210> 498
<211> 6
<212> PRT

<213> Artificial Sequence

<220>
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<400> 498
Gly Gly Asp Gly Gly Gly
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<210> 499
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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Gly Gly Asp Asp Asp Gly Gly
1 5

<210> 500
<211> 5
<212> PRT
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<220>
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Gly Asp Asp Asp Gly
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<210> 501
<211> 4
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<220>
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Gly Asp Asp Asp
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<210> 502
<211> 21
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 502
Gly Gly Gly Gly Ser Asp Asp Ser Asp Glu Gly Ser Asp Gly Glu Asp
1 5 10 15

Gly Gly Gly Gly Ser

<210> 503
<211> 5
<212> PRT
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<220>
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<210> 504
<211> 5
<212> PRT
<213> Artificial Sequence

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

<400> 504
Phe Glu Phe Glu Phe
1 5

<210> 505
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
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<400> 505
Glu Glu Glu Trp Trp Trp
1 5

<210> 506
<211> 6
<212> PRT
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<220>
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<400> 506
Glu Glu Glu Phe Phe Phe
1 5

<210> 507
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<400> 507
Trp Trp Glu Glu Glu Trp Trp
1 5

<210> 508
<211> 7
<212> PRT
<213> Artificial Sequence

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

<400> 508
Phe Phe Glu Glu Glu Phe Phe
1 5

<210> 509
<211> 6
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<213> Artificial Sequence

<220>
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<222> (2)..(2)
<223> Any amino acid

<220>
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<222> (4)..(4)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Any amino acid

<400> 509
Xaa Xaa Tyr Xaa Xaa Gly
1 5

<210> 510
<211> 6
<212> PRT
<213> Artificial Sequence

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

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<222> (1)..(1)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Any amino acid

<400> 510
Xaa Xaa Ser Xaa Xaa Gly
1 5

<210> 511
<211> 6
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Any amino acid

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<221> MOD_RES
<222> (4)..(4)
<223> Any amino acid

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<222> (5)..(5)
<223> Any amino acid

<400> 511
Xaa Xaa Thr Xaa Xaa Gly
1 5

<210> 512
<211> 22
<212> PRT
<213> Artificial Sequence

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

<400> 512
Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
1 5 10 15

Ser Gly Ser Ala Thr His
20

<210> 513
<211> 22
<212> PRT
<213> Artificial Sequence

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

<400> 513
His Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser
1 5 10 15

Gly Ser Gly Ser Ala Thr
20

<210> 514
<211> 19
<212> PRT
<213> Artificial Sequence

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

<400> 514
Ala Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys
1 5 10 15

Ala Gly Gly

<210> 515
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Atz(amino-PEG10)

<220>
<223> C-term Amide

<400> 515
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 516
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (22)..(22)
<223> Atz(amino-PEG10)

<220>
<223> C-term Amide

<400> 516
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Xaa Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 517
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<222> (33)..(33)
<223> Atz(amino-PEG10)

<220>
<223> C-term Amide

<400> 517
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Xaa Phe

<210> 518

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

<220>
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<220>
<221> MOD_RES
<222> (1)..(1)
<223> Atz(amino-PEG10)

<220>
<223> C-term Amide

<400> 518
Xaa Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 519
<211> 34
<212> PRT
<213> Artificial Sequence

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

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 520
<211> 34
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 521
<211> 34
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<220>
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Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Xaa Phe

<210> 522
<211> 34
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<223> 1-Nal

<220>
<223> C-term Amide

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
            20   25   30

Xaa Xaa

<210> 523
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 524
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 525
<211> 34
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20 25 30

Val Phe

<210> 526
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 527
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Xaa

<210> 528
<211> 35
<212> PRT
<213> Ornithoctonus huwena

<220>
<223> C-term Amide

<400> 528
Glu Cys Leu Glu Ile Phe Lys Ala Cys Asn Pro Ser Asn Asp Gln Cys
1 5 10 15

Cys Lys Ser Ser Lys Leu Val Cys Ser Arg Lys Thr Arg Trp Cys Lys
20 25 30

Tyr Gln Ile
35

<210> 529
<211> 33
<212> PRT
<213> Ornithoctonus huwena

<400> 529
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1 5 10 15

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20 25 30

Leu

<210> 530
<211> 16
<212> PRT
<213> Conus kinoshitai

<220>
<223> C-term Amide

<400> 530
Cys Cys Asn Cys Ser Ser Lys Trp Cys Arg Asp His Ser Arg Cys Cys
1 5 10 15

<210> 531
<211> 30
<212> PRT
<213> Thrixopelma pruriens

<400> 531
Tyr Cys Gln Lys Trp Met Trp Thr Cys Asp Ser Glu Arg Lys Cys Cys
1 5 10 15

Glu Gly Met Val Cys Arg Leu Trp Cys Lys Lys Lys Leu Trp
20 25 30

<210> 532
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<220>
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Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
20 25 30

Tyr Val Phe
35

<210> 533
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Val Phe

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Val Phe

<210> 535
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Val Phe

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Val Phe

<210> 537
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Val Phe Xaa
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Val Xaa

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Val Xaa

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Val Xaa Xaa
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Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys
20 25 30

Tyr Val Phe
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<210> 563
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Val Phe

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Val Phe

<210> 565
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Val Phe

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Val Phe

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<400> 567
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 568
<211> 34
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 569
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<220>
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1 5 10 15

Cys Xaa Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 570
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<220>
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20 25 30

Val Phe

<210> 571
<211> 34
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<220>
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1 5 10 15

Cys Arg Pro Xaa Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 572
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1 5 10 15

Cys Arg Pro Asn Xaa Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 573
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<220>
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<400> 573
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Cys Arg Pro Asn Leu Val Cys Xaa Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 574
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Xaa Thr His Lys Trp Cys Lys Tyr

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Val Phe

<210> 575
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Val Phe

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Val Phe

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Xaa Cys Lys Tyr
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Val Phe

<210> 578
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1 5 10 15

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Val Phe

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<211> 35
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe Xaa
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<210> 580
<211> 36
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Trp Xaa
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<210> 581
<211> 34
<212> PRT
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<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 582
<211> 34
<212> PRT
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1 5 10 15

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Val Phe

<210> 583
<211> 34
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<400> 583
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1 5 10 15

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Val Phe

<210> 584
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Val Phe

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Val Phe

<210> 586
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Xaa Phe

<210> 587
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Val Xaa

<210> 588
<211> 35
<212> PRT
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Xaa
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<210> 589
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<212> PRT
<213> Odontobuthus doriae

<220>
<223> C-term Amide

<400> 589
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1 5 10 15

Cys Ala Ser Asn Gly Tyr Cys Asn Thr Glu Cys Thr Lys Asn Gly Ala
20 25 30

Glu Ser Gly Tyr Cys Gln Trp Ile Gly Arg Tyr Gly Asn Ala Cys Trp
35 40 45

Cys Ile Lys Leu Pro Asp Glu Val Pro Ile Arg Ile Pro Gly Lys Cys
50 55 60

Arg
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<210> 590
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<220>
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<220>
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<220>
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<400> 590
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 591
<211> 34
<212> PRT
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 592

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Val Phe

<210> 596
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<220>
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<400> 596
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 597
<211> 34
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<220>
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1 5 10 15

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Val Phe

<210> 598
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<220>
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<220>
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20 25 30

Val Phe

<210> 599
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<220>
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His His Trp Cys Lys Tyr
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Val Phe

<210> 600
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 601
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20 25 30

Val Phe

<210> 602
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 603
<211> 34
<212> PRT
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 607
<211> 34
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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<220>
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Val Phe

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<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 610
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20 25 30

Val Phe

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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 612
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 613
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<400> 613
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 614

<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 615
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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20 25 30

Val Phe

<210> 617
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polypeptide

<220>
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<400> 617
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

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polypeptide

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<400> 618
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 619
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<223> 4-Bz-Phe

<220>
<223> C-term Amide

<400> 619
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 620
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> DiMeO-Phe

<220>
<223> C-term Amide

<400> 620
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 621
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<223> DiCl-Phe

<220>
<223> C-term Amide

<400> 621
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 622
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<223> pI-Phe

<220>
<223> C-term Amide

<400> 622
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 623
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
<221> MOD_RES
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<223> 4CF3-Phe

<220>
<223> C-term Amide

<400> 623
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 624
<211> 34
<212> PRT
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<220>
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polypeptide

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<221> MOD_RES
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<223> 4-F-Phe

<220>
<223> C-term Amide

<400> 624
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 625
<211> 34
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<220>
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polypeptide

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<223> 4-Me-Phe

<220>
<223> C-term Amide

<400> 625
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 626
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 4tBu-Phe

<220>
<223> C-term Amide

<400> 626
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 627
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> NMeVal

<220>

<223> C-term Amide

<400> 627
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 628
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> NMeLeu

<220>
<223> C-term Amide

<400> 628
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 629
<211> 34
<212> PRT
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<220>
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<223> NMePhe

<220>
<223> C-term Amide

<400> 629
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 630
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Cl-Phe

<220>
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<400> 630
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 631
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> hPhe

<220>
<223> C-term Amide

<400> 631
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 632
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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

<220>
<223> C-term Amide

<400> 632
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 633
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<221> MOD_RES
<222> (5)..(5)
<223> D-amino acid

<220>
<223> C-term Amide

<400> 633
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 634
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (5)..(5)
<223> bAla

<220>
<223> C-term Amide

<400> 634
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 635
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (5)..(5)
<223> Aib

<220>
<223> C-term Amide

<400> 635
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 636
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> 2-Abu

<220>
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<400> 636
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 637
<211> 34
<212> PRT
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<220>
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<220>
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<223> Nva

<220>
<223> C-term Amide

<400> 637
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 638
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 638
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 639
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> OctylGly

<220>
<223> C-term Amide

<400> 639
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 640
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 640
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 641
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 641
Asp Cys Leu Gly Met Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 642
<211> 34
<212> PRT
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<220>
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<220>
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<220>
<223> C-term Amide

<400> 642
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 643

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

<220>
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<220>
<223> C-term Amide

<400> 643
Asp Cys Leu Gly Ser Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 644
<211> 34
<212> PRT
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<220>
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<220>
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<400> 644
Asp Cys Leu Gly Val Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 645
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> DiMeO-Phe

<220>
<223> C-term Amide

<400> 645
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 646
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 646
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 647
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (5)..(5)
<223> D-amino acid

<220>
<223> C-term Amide

<400> 647
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 648
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 648
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 649
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (5)..(5)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 649
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 650
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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

<220>
<223> C-term Amide

<400> 650
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 651
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> Nle

<220>
<223> C-term Amide

<400> 651
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 652
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> DiMeO-Phe

<220>
<223> C-term Amide

<400> 652
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 653
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> DiCl-Phe

<220>
<223> C-term Amide

<400> 653
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 654
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> 4CF3-Phe

<220>
<223> C-term Amide

<400> 654
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 655
<211> 34
<212> PRT
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<220>
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<223> 4-F-Phe

<220>
<223> C-term Amide

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Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 656
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> NMeVal

<220>

<223> C-term Amide

<400> 656
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 657
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<222> (5)..(5)
<223> NMePhe

<220>
<223> C-term Amide

<400> 657
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 658
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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      polypeptide

<220>
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<222> (5)..(5)
<223> Sar

<220>
<223> C-term Amide

<400> 658
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 659
<211> 34
<212> PRT
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<220>
<223> C-term Amide

<400> 659
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 660
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (5)..(5)
<223> hLeu

<220>
<223> C-term Amide

<400> 660
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 661
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 661
Asp Cys Leu Gly Leu Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 662
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<220>
<223> C-term Amide

<400> 662
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 663
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<220>
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<400> 663
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 664
<211> 34
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<220>
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<220>
<223> C-term Amide

<400> 664
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 665
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
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<220>
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<400> 665
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 666
<211> 34
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<220>
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<223> DiCl-Phe

<220>
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<400> 666
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 667
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<220>
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<223> pI-Phe

<220>
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<400> 667
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 668
<211> 34
<212> PRT
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<220>
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<221> MOD_RES
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<220>
<223> C-term Amide

<400> 668
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 669
<211> 34
<212> PRT
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<220>
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<220>
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<400> 669
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 670
<211> 34
<212> PRT
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<220>
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<223> 4-Me-Phe

<220>
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<400> 670
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 671
<211> 34
<212> PRT
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<220>
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<220>
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<400> 671
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 672

<211> 34
<212> PRT
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<220>
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 673
<211> 34
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Val Phe

<210> 674
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<220>
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<400> 674
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 675
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<212> PRT
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polypeptide

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<223> 2-Cl-Phe

<220>
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<400> 675
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 676
<211> 34
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<220>
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<223> hPhe

<220>
<223> C-term Amide

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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 677
<211> 34
<212> PRT
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<223> OctylGly

<220>
<223> C-term Amide

<400> 677
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 678
<211> 34
<212> PRT
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<220>
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<220>
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<220>
<223> C-term Amide

<400> 678

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 679
<211> 34
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<220>
<223> C-term Amide

<400> 679
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 680
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 680
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 681
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 682
<211> 34
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Val Phe

<210> 683
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 683
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 684
<211> 34
<212> PRT
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<220>
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Val Phe

<210> 685
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polypeptide

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<220>
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<400> 685
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Val Phe

<210> 686
<211> 34
<212> PRT
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 687
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

<210> 689
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<220>
<223> C-term Amide

<400> 689
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 690
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<220>
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<400> 690
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 691
<211> 34
<212> PRT
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 692
<211> 34
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<220>
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Val Phe

<210> 693
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20 25 30

Val Phe

<210> 694
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polypeptide

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<400> 694
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
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Val Phe

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Cys Arg Ser Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Xaa
20 25 30

Val Phe

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polypeptide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 697
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 698
<211> 34
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<220>
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<400> 698
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1 5 10 15

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Val Phe

<210> 699
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 700
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
<223> C-term Amide

<400> 700
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 701
<211> 34
<212> PRT
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polypeptide

<220>
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<400> 701
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 702
<211> 34
<212> PRT
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<220>
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<220>
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<400> 702
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 703
<211> 34
<212> PRT
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<220>
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<220>
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<400> 703
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 704
<211> 34
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
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<400> 704
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 705
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<400> 705
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 706
<211> 34
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<220>
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polypeptide

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<220>
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<400> 706
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 707
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 708
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<400> 708
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 709
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<220>
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<220>
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<400> 709
Asp Cys Leu Gly Val Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 710
<211> 34
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<220>
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<400> 710
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 711
<211> 34
<212> PRT
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<220>
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<220>
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<400> 711
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 712
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<212> PRT
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<220>
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polypeptide

<220>
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<400> 712
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 713
<211> 34
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polypeptide

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<220>
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<400> 713
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Cys Arg Pro Asn Leu Val Cys Ser Xaa Thr His Lys Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 714
<211> 34
<212> PRT
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<220>
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<220>
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<400> 714
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 715
<211> 34
<212> PRT
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<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gly Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 716
<211> 34
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<220>
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1 5 10 15

Xaa Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 717
<211> 34
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<400> 717
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1 5 10 15

Xaa Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 718
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1 5 10 15

Xaa Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

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Xaa Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 720
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1 5 10 15

Xaa Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 721
<211> 34
<212> PRT
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<220>
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<400> 721
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 722
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Nle

<220>
<223> C-term Amide

<400> 722
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Glu Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 723
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 723
Asp Cys Leu Gly Ala Leu Arg Lys Cys Glu Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 724
<211> 34
<212> PRT

<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 724
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 725
<211> 34
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<220>
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<220>
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Asp Cys Leu Gly Ala Xaa Arg Lys Cys Ile Pro Glu Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 726
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 726

Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Glu Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 727
<211> 34
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<220>
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<223> Nle

<220>
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<400> 727
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 728
<211> 34
<212> PRT
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<220>
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<220>
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<400> 728
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 729
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 729
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 730
<211> 34
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<220>
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polypeptide

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<220>
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<400> 730
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1 5 10 15

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

Val Phe

<210> 731
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<400> 731
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

<210> 732
<211> 34
<212> PRT
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<220>
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Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

<210> 733
<211> 34
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<220>
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<220>
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<400> 733
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Glu Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 734
<211> 34
<212> PRT
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<220>
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<220>
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Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Glu Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 735
<211> 34
<212> PRT
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<220>
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<220>
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<400> 735
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Glu Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 736
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 736
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Pro Asp Asn Asp Xaa Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 737
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 737
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His His Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 738
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 738
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Ser Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 739
<211> 34
<212> PRT
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<220>
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<220>
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Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 740
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 740
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 741
<211> 34
<212> PRT
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<220>
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polypeptide

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<220>
<223> C-term Amide

<400> 741
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 742
<211> 34
<212> PRT
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<220>
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<220>
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<220>
<223> C-term Amide

<400> 742
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 743
<211> 34
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<223> SDMArg

<220>
<223> C-term Amide

<400> 743
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 744
<211> 34
<212> PRT
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<223> hArg

<220>
<223> C-term Amide

<400> 744
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 745
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Arg(Me)

<220>
<223> C-term Amide

<400> 745

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 746
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Orn

<220>
<223> C-term Amide

<400> 746
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 747
<211> 34
<212> PRT
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<220>
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<220>
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<223> Dap

<220>
<223> C-term Amide

<400> 747
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 748
<211> 34
<212> PRT
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<220>
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<223> C-term Amide

<400> 748
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 749
<211> 34
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<220>
<223> C-term Amide

<400> 749
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 750
<211> 34
<212> PRT
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<220>
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<220>
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<400> 750
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 751
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 751
Asp Cys Leu Gly Gly Val Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 752
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 752
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 753
<211> 34
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<220>
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<400> 753
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 754
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 755
<211> 34
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<220>
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<220>
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Asp Cys Leu Gly Gly Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 756
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> N-term 4-Pen

<220>
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<220>
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<400> 756
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 757
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<223> 2-Abu

<220>
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<400> 757
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 758
<211> 34
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<220>
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polypeptide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 759
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<220>
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<400> 759
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 760
<211> 34
<212> PRT
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<220>
<223> C-term Amide

<400> 760
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 761
<211> 34
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<220>
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<400> 761
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 762
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 762
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 763
<211> 34
<212> PRT
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<220>
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<220>
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<400> 763
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 764
<211> 34
<212> PRT
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<220>
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<220>
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<400> 764
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Phe Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 765
<211> 34
<212> PRT
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<220>
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<220>

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<400> 765
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Tyr Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 766
<211> 34
<212> PRT
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<220>
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<220>
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<400> 766
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Leu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 767
<211> 34
<212> PRT
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<220>
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<220>
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<400> 767
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asn Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 768

<211> 34
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<220>
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<220>
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<220>
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<400> 768
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Xaa Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 769
<211> 34
<212> PRT
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<220>
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<220>
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<400> 769
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 770
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 770
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Met Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 771
<211> 34
<212> PRT
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<220>
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<220>
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<400> 771
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 772
<211> 34
<212> PRT
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<220>
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<220>
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<400> 772
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Xaa Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 773
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 773
Asp Cys Leu Gly Thr Met Arg Lys Cys Asp Pro Glu Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 774
<211> 34
<212> PRT
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<222> (10)..(10)
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<220>
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<400> 774
Asp Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Glu Phe

<210> 775
<211> 34
<212> PRT

<213> Artificial Sequence

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polypeptide

<220>
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<222> (10)..(10)
<223> 1-Nal

<220>
<223> C-term Amide

<400> 775
Asp Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Glu
20 25 30

Val Phe

<210> 776
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<223> 1-Nal

<220>
<223> C-term Amide

<400> 776
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Glu Tyr
20 25 30

Val Phe

<210> 777
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> 1-Nal

<220>
<223> C-term Amide

<400> 777
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Ala Phe

<210> 778
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 778
Asp Cys Leu Gly Phe Met Arg Lys Cys Xaa Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Ala
20 25 30

Val Phe

<210> 779
<211> 34
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<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 779
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1 5 10 15

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

Val Phe

<210> 780
<211> 34
<212> PRT
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<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 780
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 781
<211> 34
<212> PRT
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<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 781
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 782
<211> 34
<212> PRT
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<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 782
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1 5 10 15

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20 25 30

Val Phe

<210> 783
<211> 34
<212> PRT
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<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 784
<211> 34
<212> PRT
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<220>
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<223> 1-Nal

<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 785
<211> 34
<212> PRT
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 785
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 786
<211> 34

<212> PRT
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<220>
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<220>
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<223> 1-Nal

<220>
<223> C-term Amide

<400> 786
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 787
<211> 34
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polypeptide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 788
<211> 34
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<220>
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polypeptide

<220>
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<400> 788
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr Glu Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 789
<211> 34
<212> PRT
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<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Glu Tyr
20 25 30

Val Phe

<210> 790
<211> 35
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 790
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe Glu
35

<210> 791
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> Met[O]

<220>
<223> C-term Amide

<400> 791
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 792
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> Met[O]

<220>
<223> C-term Amide

<400> 792
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 793
<211> 34
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<220>
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polypeptide

<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 793
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 794
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> K(Ac-Pra)

<220>
<223> C-term Amide

<400> 794
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 795
<211> 34
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<220>
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polypeptide

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<223> K(Ac-Pra)

<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 796
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<212> PRT
<213> Artificial Sequence

<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 796
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 797
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Abu

<220>
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<222> (13)..(13)
<223> Pra

<220>

<223> C-term Amide

<400> 797
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 798
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 798
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 799
<211> 34
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<220>
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<220>
<223> C-term Amide

<400> 799
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 800
<211> 34
<212> PRT
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<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 800
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 801
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Abu

<220>
<221> MOD_RES
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<223> K(4-Pen)

<220>
<223> C-term Amide

<400> 801
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 802
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 802
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Xaa Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 803
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (12)..(12)
<223> Pra

<220>
<223> C-term Amide

<400> 803
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 804
<211> 34
<212> PRT
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<220>
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<222> (13)..(13)
<223> K(4-Pen)

<220>
<223> C-term Amide

<400> 804
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 805
<211> 34
<212> PRT
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<220>
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<220>
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<223> Nva

<220>
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<222> (13)..(13)
<223> K(4-Pen)

<220>
<223> C-term Amide

<400> 805
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 806
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> K(4-Pen)

<220>
<223> C-term Amide

<400> 806
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 807
<211> 34
<212> PRT
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<220>
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<220>
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<220>
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<223> 2-Abu

<220>
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<400> 807
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 808
<211> 34
<212> PRT
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<220>
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<220>
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<223> K(4-Pen)

<220>
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<400> 808
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 809
<211> 34
<212> PRT
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<220>
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<220>
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<400> 809

Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 810
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 810
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 811
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 811
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe
35

<210> 812
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Amide

<400> 812
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe
35

<210> 813
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Free Acid

<400> 813
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe Trp
35

<210> 814
<211> 35
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 814
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe Trp
35

<210> 815
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 815
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Trp
35

<210> 816
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 816
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Trp
35

<210> 817
<211> 35
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 817
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe Phe
35

<210> 818
<211> 35
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 818
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe Phe
35

<210> 819
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 819
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 820
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 820
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 821
<211> 36
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<220>
<223> C-term Free Acid

<400> 821
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe
35

<210> 822
<211> 36
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 822
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe
35

<210> 823
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 823
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 824
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 824
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

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

Val Phe

<210> 825
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<223> C-term Free Acid

<400> 825
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 826
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 826
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 827
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 827
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gly Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 828
<211> 34
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<220>
<223> C-term Free Acid

<400> 828
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His His Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 829
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 829
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 830
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 830
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Leu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 831
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 831
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Met Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 832
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 832
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asn Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 833
<211> 34

<212> PRT
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<220>
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<220>
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<400> 833
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Pro Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 834
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Free Acid

<400> 834
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 835
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 835
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Ser Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 836
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 836
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Ala Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 837
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 837
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asp Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 838
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 838
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Glu Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 839
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 839
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Phe Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 840
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 840
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Gly Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 841
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 841
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp His Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 842
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Free Acid

<400> 842
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Ile Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 843
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 843

Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Lys Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 844
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 844
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Leu Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 845
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 845
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Met Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 846
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 846
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Pro Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 847
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 847
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Gln Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 848
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 848
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Arg Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 849
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 849
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Ser Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 850
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 850
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Thr Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 851
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 851
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Val Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 852
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 852
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Trp Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 853
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 853
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 854
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 854
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 855
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 855
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 856
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 856
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Leu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 857
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 857
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Met Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 858
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 858
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 859
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<223> C-term Free Acid

<400> 859
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Ser Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 860
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 860
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 861
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 861
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asp Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 862
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 862
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Glu Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 863
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 863
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Phe Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 864
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 864
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp His Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 865
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 865
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ile Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 866
<211> 34
<212> PRT
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<220>
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<220>
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<400> 866
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Lys Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 867
<211> 34

<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 867
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Leu Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 868
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 868
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Met Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 869
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 869
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Gln Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 870
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
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<400> 870
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Arg Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 871
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
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<400> 871
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ser Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 872
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
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<400> 872
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Val Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 873
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 873
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Tyr Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 874
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 874
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Gly
35

<210> 875
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
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<400> 875
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Gly
35

<210> 876
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
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<400> 876
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Gly
35

<210> 877
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 877

Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Ile
35

<210> 878
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
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<400> 878
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ile
35

<210> 879
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 879
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Ile
35

<210> 880
<211> 38
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<223> C-term Free Acid

<400> 880
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ile
35

<210> 881
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 881
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Leu
35

<210> 882
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 882
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Leu
35

<210> 883
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 883
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Leu
35

<210> 884
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 884
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Leu
35

<210> 885
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 885
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Ser
35

<210> 886
<211> 38
<212> PRT
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<220>
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<220>
<223> C-term Free Acid

<400> 886
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ser
35

<210> 887
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 887
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Ser
35

<210> 888
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 888
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ser
35

<210> 889
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 889
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Thr
35

<210> 890
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 890
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Thr
35

<210> 891
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 891
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Thr
35

<210> 892
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 892
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Thr
35

<210> 893
<211> 37
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
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<400> 893
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Tyr
35

<210> 894
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Free Acid

<400> 894
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Tyr
35

<210> 895
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Free Acid

<400> 895
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Tyr
35

<210> 896
<211> 38
<212> PRT
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<220>
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<220>
<223> C-term Free Acid

<400> 896
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Tyr
35

<210> 897
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 897
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Ala
35

<210> 898
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 898
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ala
35

<210> 899
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 899
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Phe Ala
35

<210> 900
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 900
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Tyr Ala
35

<210> 901
<211> 39

<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 901
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Leu Ala
35

<210> 902
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 902
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ile Ala
35

<210> 903
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 903
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ala Ala
35

<210> 904
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 904
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ser Ala
35

<210> 905
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 905
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Thr Ala
35

<210> 906
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 906
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ala Ala
35

<210> 907
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 907
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Gly Ala
35

<210> 908
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 908
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Ala
35

<210> 909
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 909
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ala
35

<210> 910
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 910
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Phe Ala
35

<210> 911
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 911

Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Tyr Ala
35

<210> 912
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 912
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Leu Ala
35

<210> 913
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 913
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ile Ala
35

<210> 914
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 914
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ala Ala
35

<210> 915
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 915
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ser Ala
35

<210> 916
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 916
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Thr Ala
35

<210> 917
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 917
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ala Ala
35

<210> 918
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 918
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Gly Ala
35

<210> 919
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 919
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Ala
35

<210> 920
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 920
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ala
35

<210> 921
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 921
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Ala
35

<210> 922
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 922
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Ala
35

<210> 923
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 923
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe Phe
35

<210> 924
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 924
Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn
1 5 10 15

Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp
20 25 30

Cys Lys Tyr Val Phe Phe
35

<210> 925
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 925
Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp
1 5 10 15

Asn Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg
20 25 30

Trp Cys Lys Tyr Val Phe Phe
35

<210> 926
<211> 40
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 926
Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro
1 5 10 15

Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His
20 25 30

Arg Trp Cys Lys Tyr Val Phe Phe
35 40

<210> 927
<211> 41
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<223> C-term Free Acid

<400> 927
Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile
1 5 10 15

Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr
20 25 30

His Arg Trp Cys Lys Tyr Val Phe Phe
35 40

<210> 928
<211> 42
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 928
Gly Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys
1 5 10 15

Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg
20 25 30

Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40

<210> 929
<211> 43
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 929
Gly Gly Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys
1 5 10 15

Cys Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser
20 25 30

Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40

<210> 930
<211> 44
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 930
Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg
1 5 10 15

Lys Cys Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val Cys
20 25 30

Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40

<210> 931
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 931
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu
1 5 10 15

Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 932
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 932
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Phe
1 5 10 15

Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 933
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 933
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Phe
1 5 10 15

Arg Lys Cys Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 934
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 934
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 935
<211> 38

<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 935
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Gly Phe
35

<210> 936
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 936
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 937
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 937
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 938
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 938
Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ala
1 5 10 15

Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp
20 25 30

Cys Lys Tyr Val Phe Phe
35

<210> 939
<211> 39
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 939
Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp
1 5 10 15

Ala Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg
20 25 30

Trp Cys Lys Tyr Val Phe Phe
35

<210> 940
<211> 40
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 940
Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro
1 5 10 15

Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His
20 25 30

Arg Trp Cys Lys Tyr Val Phe Phe
35 40

<210> 941
<211> 41
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 941
Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile
1 5 10 15

Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr
20 25 30

His Arg Trp Cys Lys Tyr Val Phe Phe
35 40

<210> 942
<211> 42
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 942
Gly Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys
1 5 10 15

Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg
20 25 30

Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40

<210> 943
<211> 43
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 943
Gly Gly Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys
1 5 10 15

Cys Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser
20 25 30

Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40

<210> 944
<211> 44
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 944
Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu Arg
1 5 10 15

Lys Cys Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val Cys
20 25 30

Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40

<210> 945
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 945

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Cys Leu Gly Ala Leu
1 5 10 15

Arg Lys Cys Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 946
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 946
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Gly Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 947
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 947
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ser Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 948
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 948
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ile Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
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<210> 949
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 949
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Pro Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 950
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 950
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Met Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 951
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 951
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Val Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 952
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 952
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Thr Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 953
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 953
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Phe Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 954
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 954
Gly Ser Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Tyr Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 955
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 955
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Gly Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 956
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 956
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Ser Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 957
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 957
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Ile Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 958
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 958
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Leu Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 959
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 959
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Met Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 960
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 960
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Val Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 961
<211> 37
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<223> C-term Free Acid

<400> 961
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Thr Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 962
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 962
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Phe Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 963
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 963
Gly Ser Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Tyr Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 964
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 964
Gly Ile Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 965
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 965
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 966
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 966
Gly Thr Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 967
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 967
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 968
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 968
Gly Gly Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 969
<211> 37

<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 969
Gly Phe Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 970
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 970
Gly Tyr Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 971
<211> 37
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<220>
<223> C-term Free Acid

<400> 971
Gly Leu Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 972
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 972
Gly Val Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 973
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 973
Gly Ile Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 974
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 974
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 975
<211> 37
<212> PRT
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<220>
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<220>
<223> C-term Free Acid

<400> 975
Gly Thr Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 976
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 976
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 977
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 977
Gly Gly Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 978
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 978
Gly Phe Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 979
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 979

Gly Tyr Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 980
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 980
Gly Leu Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 981
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 981
Gly Val Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 982
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<223> C-term Free Acid

<400> 982
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Gly Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 983
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 983
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Ser Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 984
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
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<400> 984
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Ile Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 985
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
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<400> 985
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Leu Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 986
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
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<400> 986
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Met Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 987
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 987
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Val Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 988
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Free Acid

<400> 988
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Thr Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 989
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 989
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Phe Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 990
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 990
Gly Ala Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Tyr Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 991
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 991
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Gly Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 992
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 992
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ser Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 993
<211> 37
<212> PRT
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<220>
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<220>
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<400> 993
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Ile Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 994
<211> 37
<212> PRT
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<220>
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<220>
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<400> 994
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Leu Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 995
<211> 37
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<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
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<400> 995
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Met Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 996
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<400> 996
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Val Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 997
<211> 37
<212> PRT
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polypeptide

<220>
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<400> 997
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Thr Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 998
<211> 37
<212> PRT
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<220>
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<400> 998
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Phe Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 999
<211> 37
<212> PRT
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<220>
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<220>
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<400> 999
Gly Ala Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Tyr Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 1000
<211> 37
<212> PRT
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<220>
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<400> 1000
Gly Gly Ser Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 1001
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 1001
Gly Gly Trp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 1002
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 1002
Gly Gly Phe Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 1003
<211> 37

<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 1003
Gly Gly Ile Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 1004
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 1004
Gly Gly Ser Ser Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn
1 5 10 15

Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp
20 25 30

Cys Lys Tyr Val Phe Phe
35

<210> 1005
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 1005
Gly Gly Ser Trp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn
1 5 10 15

Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp
20 25 30

Cys Lys Tyr Val Phe Phe
35

<210> 1006
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 1006
Gly Gly Ser Phe Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn
1 5 10 15

Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp
20 25 30

Cys Lys Tyr Val Phe Phe
35

<210> 1007
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 1007
Gly Gly Ser Ile Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Asn
1 5 10 15

Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp
20 25 30

Cys Lys Tyr Val Phe Phe
35

<210> 1008
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1008
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ile Cys Leu Gly Ala Leu
1 5 10 15

Arg Lys Cys Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1009
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1009
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Phe Cys Leu Gly Ala Leu
1 5 10 15

Arg Lys Cys Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1010
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1010
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Trp Cys Leu Gly Ala Leu
1 5 10 15

Arg Lys Cys Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1011
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1011
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ile Cys Leu Gly Ala Leu
1 5 10 15

Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1012
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1012
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Phe Cys Leu Gly Ala Leu
1 5 10 15

Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1013
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1013

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Trp Cys Leu Gly Ala Leu
1 5 10 15

Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1014
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1014
Gly Gly Ser Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 1015
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1015
Gly Gly Trp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 1016
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1016
Gly Gly Phe Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 1017
<211> 37
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1017
Gly Gly Ile Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn Asp
1 5 10 15

Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys
20 25 30

Lys Tyr Val Phe Phe
35

<210> 1018
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1018
Gly Gly Ser Ser Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn
1 5 10 15

Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp
20 25 30

Cys Lys Tyr Val Phe Phe
35

<210> 1019
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1019
Gly Gly Ser Trp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn
1 5 10 15

Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp
20 25 30

Cys Lys Tyr Val Phe Phe
35

<210> 1020
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1020
Gly Gly Ser Phe Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn
1 5 10 15

Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp
20 25 30

Cys Lys Tyr Val Phe Phe
35

<210> 1021
<211> 38
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1021
Gly Gly Ser Ile Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Asn
1 5 10 15

Asp Lys Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp
20 25 30

Cys Lys Tyr Val Phe Phe
35

<210> 1022
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1022
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ile Cys Leu Gly Ala Phe
1 5 10 15

Arg Lys Cys Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1023
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1023
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Phe Cys Leu Gly Ala Phe
1 5 10 15

Arg Lys Cys Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1024
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1024
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Trp Cys Leu Gly Ala Phe
1 5 10 15

Arg Lys Cys Ile Pro Asp Ala Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1025
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1025
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ile Cys Leu Gly Ala Phe
1 5 10 15

Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1026
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1026
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Phe Cys Leu Gly Ala Phe
1 5 10 15

Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1027
<211> 45
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Free Acid

<400> 1027
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Trp Cys Leu Gly Ala Phe
1 5 10 15

Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys Cys Arg Pro Asn Leu Val
20 25 30

Cys Ser Arg Thr His Arg Trp Cys Lys Tyr Val Phe Phe
35 40 45

<210> 1028
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1028
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1029

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

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

<220>
<223> N-term Biotin

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

<220>
<221> MOD_RES
<222> (6)..(6)
<223> 2-Abu

<220>
<221> MOD_RES
<222> (14)..(14)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 1029
Xaa Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys
1 5 10 15

Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys
20 25 30

Tyr Val Phe
35

<210> 1030
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Lys(Biotin)

<220>
<223> C-term Amide

<400> 1030
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1031
<211> 35
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term Biotin

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

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

<220>
<223> C-term Amide

<400> 1031
Xaa Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys
1 5 10 15

Cys Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys
20 25 30

Tyr Val Phe
35

<210> 1032
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term DOTA

<220>
<223> C-term Amide

<400> 1032
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Asn Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1033
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> K(DOTA)

<220>
<223> C-term Amide

<400> 1033
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1034
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<221> MOD_RES
<222> (13)..(13)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 1034
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1035
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 1035
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1036
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 1036
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1037
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Atz(PEG11-((2-hydroxyethyl)thio)acetamide)

<220>
<223> C-term Amide

<400> 1037
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1038
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Atz(PEG3-((2-hydroxyethyl)thio)acetamide)

<220>
<223> C-term Amide

<400> 1038
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1039
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES

<222> (13)..(13)
<223> Atz(PEG11-((2-hydroxyethyl)thio)acetamide)

<220>
<223> C-term Amide

<400> 1039
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1040
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Atz(PEG3-((2-hydroxyethyl)thio)acetamide)

<220>
<223> C-term Amide

<400> 1040
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1041
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term ((2-Hydroxyethyl)thio)acetamide-NPEG11-triazole

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 2-Abu

<220>
<221> MOD_RES
<222> (13)..(13)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 1041
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1042
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 2-Abu

<220>
<221> MOD_RES
<222> (13)..(13)
<223> K(ethyl-triazole-PEG11-((2-hydroxyethyl)thio)acetamide)

<220>
<223> C-term Amide

<400> 1042
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1043
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>

<221> MOD_RES
<222> (13)..(13)
<223> Atz(PEG3-((2-hydroxyethyl)thio)acetamide)

<220>
<223> C-term Amide

<400> 1043
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1044
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Atz(PEG11-((2-hydroxyethyl)thio)acetamide)

<220>
<223> C-term Amide

<400> 1044
Asp Cys Leu Gly Ala Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1045
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term ((2-Hydroxyethyl)thio)acetamide-NPEG11-triazole

<220>
<221> MOD_RES
<222> (13)..(13)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 1045
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1046
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1046
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1047
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1047
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1048
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 2-Abu

<220>
<221> MOD_RES
<222> (13)..(13)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 1048
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1049
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1049
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1050
<211> 7
<212> PRT
<213> Artificial Sequence

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

<400> 1050
Asp Cys Leu Gly Ala Phe Arg
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<210> 1051

<400> 1051
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<210> 1052

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<210> 1061

<400> 1061
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<210> 1062
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Atz(PEG11-bromoacetamide)

<220>
<223> C-term Amide

<400> 1062
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1063
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Atz(PEG3-bromoacetamide)

<220>
<223> C-term Amide

<400> 1063
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1064
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Atz(PEG11-bromoacetamide)

<220>
<223> C-term Amide

<400> 1064
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1065
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Atz(PEG3-bromoacetamide)

<220>
<223> C-term Amide

<400> 1065
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1066
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> N-term bromoacetamide-PEG11-triazole

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 2-Abu

<220>
<221> MOD_RES
<222> (13)..(13)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 1066
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1067
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 2-Abu

<220>
<221> MOD_RES
<222> (13)..(13)
<223> K(ethyl-triazole-PEG11-bromoacetamide)

<220>
<223> C-term Amide

<400> 1067
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1068
<211> 34
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<220>
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<220>
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<223> Atz(PEG3-bromoacetamide)

<220>
<223> C-term Amide

<400> 1068
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1069
<211> 34
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<220>
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<220>
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<223> Atz(PEG11-bromoacetamide)

<220>
<223> C-term Amide

<400> 1069
Asp Cys Leu Gly Ala Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Arg Trp Cys Lys Tyr
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Val Phe

<210> 1070
<211> 34
<212> PRT
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<220>
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<223> N-term bromoacetamide-PEG11-triazole

<220>
<221> MOD_RES
<222> (13)..(13)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 1070
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Arg Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1071
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1071
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1072
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1072
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1073
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1073
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1074
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> Pra

<220>
<223> C-term Amide

<400> 1074
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1 5 10 15

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Val Phe

<210> 1075
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1075
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1076
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1077
<211> 34
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<220>
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polypeptide

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<223> 2-Abu

<220>
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<400> 1077
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1078
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1078
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1079
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1079
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1080
<211> 34
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<220>
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<220>
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<221> MOD_RES
<222> (13)..(13)
<223> 2-Abu

<220>
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<400> 1080
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1081
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Abu

<220>
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<400> 1081
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1082
<211> 34
<212> PRT
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<220>
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<223> 2-Abu

<220>
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<400> 1082
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1083
<211> 34
<212> PRT
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<220>
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<223> 2-Abu

<220>
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<223> 2-Abu

<220>
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<400> 1083
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1084
<211> 34
<212> PRT
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<220>
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<223> 2-Abu

<220>
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<400> 1084
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1085
<211> 34
<212> PRT
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<220>
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      polypeptide

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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1085
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1086
<211> 34
<212> PRT
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<220>
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      polypeptide

<220>
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<222> (13)..(13)
<223> 2-Abu

<220>
<223> C-term Amide

<400> 1086
Asp Cys Leu Gly Val Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1087
<211> 34
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polypeptide

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<223> 2-Abu

<220>
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<400> 1087
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1088
<211> 34
<212> PRT
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polypeptide

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<400> 1088
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20 25 30

Val Phe

<210> 1089
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<212> PRT
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<223> C-term Amide

<400> 1089
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1090
<211> 34
<212> PRT
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<223> Pra

<220>
<223> C-term Amide

<400> 1090
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1091
<211> 34
<212> PRT
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1092
<211> 34
<212> PRT
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<223> C-term Amide

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1093

<211> 34
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1094
<211> 34
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<220>
<223> C-term Amide

<400> 1094
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1095
<211> 34

<212> PRT
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polypeptide

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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1096
<211> 34
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polypeptide

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<223> Pra

<220>
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<400> 1096
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1097
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<220>
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polypeptide

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<222> (13)..(13)
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<220>
<223> C-term Amide

<400> 1097
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1098
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<212> PRT
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Val Phe

<210> 1099
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<212> PRT
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polypeptide

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<222> (13)..(13)
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<220>
<223> C-term Amide

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1100
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<212> PRT
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polypeptide

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<223> Pra

<220>
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1 5 10 15

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20 25 30

Val Phe

<210> 1101
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<212> PRT
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<223> Pra

<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1102
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<212> PRT
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<223> Pra

<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1103
<211> 34
<212> PRT
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<223> 2-Abu

<220>
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<400> 1103
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1104
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<212> PRT
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1105
<211> 34
<212> PRT
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1 5 10 15

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20 25 30

Val Phe

<210> 1106
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1107
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1 5 10 15

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20 25 30

Val Phe

<210> 1108
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1109
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<400> 1109
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 1110
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<220>
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<400> 1110
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1111
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20 25 30

Val Phe

<210> 1112
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Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1113
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<220>
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Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1114
<211> 34
<212> PRT
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1 5 10 15

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20 25 30

Val Phe

<210> 1115
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Val Phe

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            20   25   30

Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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<400> 1253
Asp Cys Leu Gly Val Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1254
<211> 34
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<220>
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Val Phe

<210> 1255
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20 25 30

Val Phe

<210> 1256
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20 25 30

Val Phe

<210> 1257
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Val Phe

<210> 1258
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Val Phe

<210> 1259
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Val Phe

<210> 1260
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<220>
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Val Phe

<210> 1261
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Val Phe

<210> 1262
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1263
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1264
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1266
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Val Phe

<210> 1267
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Val Phe

<210> 1268
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Val Phe

<210> 1269
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Val Phe

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Val Phe

<210> 1271
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Val Phe

<210> 1272
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1 5 10 15

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Val Phe

<210> 1273
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1 5 10 15

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Val Phe

<210> 1274
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1 5 10 15

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Val Phe

<210> 1275

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1 5 10 15

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20 25 30

Val Phe

<210> 1276
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20 25 30

Val Phe

<210> 1277
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<400> 1277
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1 5 10 15

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20 25 30

Val Phe

<210> 1278
<211> 34
<212> PRT
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<400> 1278
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1 5 10 15

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20 25 30

Val Phe

<210> 1279
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1280
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1281
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1 5 10 15

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20 25 30

Val Phe

<210> 1282
<211> 34
<212> PRT
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1 5 10 15

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20 25 30

Val Phe

<210> 1283
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1 5 10 15

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20 25 30

Val Phe

<210> 1284
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<212> PRT
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1 5 10 15

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20 25 30

Val Phe

<210> 1285
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<212> PRT
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1286
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1287
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1   5   10   15

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20 25 30

Val Phe

<210> 1288
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20 25 30

Val Phe

<210> 1289
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20 25 30

Val Phe

<210> 1290
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1 5 10 15

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20 25 30

Val Phe

<210> 1291
<211> 34
<212> PRT
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<400> 1291

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1 5 10 15

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20 25 30

Val Phe

<210> 1292
<211> 34
<212> PRT
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1293
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Val Phe

<210> 1294
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Val Phe

<210> 1295
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20 25 30

Val Phe

<210> 1296
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20 25 30

Val Phe

<210> 1297
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Val Phe

<210> 1298
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Val Phe

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Val Phe

<210> 1395
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Val Phe

<210> 1396
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 1413
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Val Phe

<210> 1414
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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 1419
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Val Phe

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Val Phe

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Val Phe

<210> 1422
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1423
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1 5 10 15

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Val Phe

<210> 1424
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1 5 10 15

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Val Phe

<210> 1425
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20 25 30

Val Phe

<210> 1426
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Val Phe

<210> 1427
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Val Phe

<210> 1428
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Val Phe

<210> 1429
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Val Phe

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Val Phe

<210> 1431
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<400> 1431
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1432
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20 25 30

Val Phe

<210> 1433
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1434
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1435
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<400> 1435
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1436
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1437
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1438
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 1439
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Val Phe

<210> 1440
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1441
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1442
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1443
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1444
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1445
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1446
<211> 34
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1447
<211> 34

<212> PRT
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<220>
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Val Phe

<210> 1448
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<220>
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Val Phe

<210> 1449
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Val Phe

<210> 1451
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<220>
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1 5 10 15

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20 25 30

Val Phe

<210> 1452
<211> 34
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<220>
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<400> 1452
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1453
<211> 34
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<223> Pra

<220>
<223> C-term Amide

<400> 1453
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1454
<211> 34
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<220>
<223> C-term Amide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1455
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1456
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<220>
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<400> 1456
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1457
<211> 34
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<220>
<223> C-term Amide

<400> 1457
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1458
<211> 34
<212> PRT
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<223> Pra

<220>
<223> C-term Amide

<400> 1458
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1459
<211> 34
<212> PRT
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<220>
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<400> 1459
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1460
<211> 34
<212> PRT
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<220>
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<400> 1460
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1461
<211> 34
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polypeptide

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1462
<211> 34
<212> PRT
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polypeptide

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<220>
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<400> 1462
Asp Cys Leu Gly Ile Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1463
<211> 34
<212> PRT
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<223> Pra

<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1464
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<212> PRT
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1464
Asp Cys Leu Gly Ala Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1465
<211> 34
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<223> Pra

<220>
<223> C-term Amide

<400> 1465
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1466
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<212> PRT
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<220>
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<400> 1466
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1467
<211> 34
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<220>
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<220>
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<220>
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<400> 1467
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1468
<211> 34
<212> PRT
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<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
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<400> 1468
Asp Cys Leu Gly Val Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1469
<211> 34
<212> PRT
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<220>
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      polypeptide

<220>
<221> MOD_RES
<222> (13)..(13)
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<220>
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<400> 1469
Asp Cys Leu Gly Leu Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1470
<211> 34
<212> PRT
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<223> Pra

<220>
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<400> 1470
Asp Cys Leu Gly Ile Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1471
<211> 34
<212> PRT
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<220>
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<223> Pra

<220>
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<400> 1471
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1472
<211> 34
<212> PRT
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<220>
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<220>

<223> C-term Amide

<400> 1472
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1473
<211> 34
<212> PRT
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polypeptide

<220>
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<223> Pra

<220>
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<400> 1473
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1474
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> Pra

<220>
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<400> 1474
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1475
<211> 34
<212> PRT
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<223> Pra

<220>
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<400> 1475
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1476
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> Pra

<220>
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<400> 1476
Asp Cys Leu Gly Val Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1477
<211> 34
<212> PRT
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<220>
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polypeptide

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<220>
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<400> 1477
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20 25 30

Val Phe

<210> 1478
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1479
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<210> 1482
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Val Phe

<210> 1486
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Val Phe

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Val Phe

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<210> 1491
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Val Phe

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Val Phe

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20 25 30

Val Phe

<210> 1503
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1504
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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<210> 1505
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Val Phe

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<210> 1507
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1515
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Val Phe

<210> 1516
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Val Phe

<210> 1517
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Val Phe

<210> 1518
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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<210> 1527
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Val Phe

<210> 1528
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Val Phe

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Val Phe

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<210> 1536
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Val Phe

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Val Phe

<210> 1541
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1 5 10 15

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Val Phe

<210> 1542
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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1 5 10 15

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Val Phe

<210> 1552
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20 25 30

Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 1558
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Val Phe

<210> 1559
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1 5 10 15

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Val Phe

<210> 1560
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Val Phe

<210> 1561
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Val Phe

<210> 1562
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Val Phe

<210> 1563
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Val Phe

<210> 1565
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1567
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1568
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Val Phe

<210> 1569

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Val Phe

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<220>
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Val Phe

<210> 1571
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Val Phe

<210> 1572
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<220>
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Val Phe

<210> 1573
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<220>
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Val Phe

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Val Phe

<210> 1575
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<400> 1575
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1576
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<220>
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Val Phe

<210> 1577
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Val Phe

<210> 1578
<211> 34
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Val Phe

<210> 1579
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Val Phe

<210> 1580
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Val Phe

<210> 1581
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Val Phe

<210> 1582
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Val Phe

<210> 1583
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<400> 1583
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1 5 10 15

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Val Phe

<210> 1584
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<400> 1584
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1 5 10 15

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Val Phe

<210> 1585
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<400> 1585
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20 25 30

Val Phe

<210> 1586
<211> 34
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Val Phe

<210> 1587
<211> 34
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1588
<211> 34
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20 25 30

Val Phe

<210> 1589
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<400> 1589
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20 25 30

Val Phe

<210> 1590
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Val Phe

<210> 1591
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<220>
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Val Phe

<210> 1592
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Val Phe

<210> 1593
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Val Phe

<210> 1594
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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<212> PRT
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Val Phe

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Val Phe

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Val Phe

<210> 1602
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<220>
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1 5 10 15

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Val Phe

<210> 1603
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<223> Pra

<220>
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<400> 1603
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1604
<211> 34
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<220>
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<400> 1604
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1605
<211> 34
<212> PRT
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<220>
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<400> 1605
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1606

<211> 34
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<220>
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polypeptide

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<220>
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<400> 1606
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1 5 10 15

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Val Phe

<210> 1607
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1 5 10 15

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Val Phe

<210> 1608
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<220>
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1 5 10 15

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20 25 30

Val Phe

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20 25 30

Val Phe

<210> 1610
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<400> 1610
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1611
<211> 34
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1612
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<220>
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polypeptide

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<220>
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<400> 1612
Asp Cys Leu Gly Val Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1613
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<220>
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<220>
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<400> 1613
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1614
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<220>
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<400> 1614
Asp Cys Leu Gly Ile Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1615
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<220>
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<400> 1615
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1616
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<220>
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<400> 1616
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1617
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<220>
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<400> 1617
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1618
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<212> PRT
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1619
<211> 34
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<220>
<223> C-term Amide

<400> 1619

Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1620
<211> 34
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<223> Pra

<220>
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<400> 1620
Asp Cys Leu Gly Val Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1621
<211> 34
<212> PRT
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<220>
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<400> 1621
Asp Cys Leu Gly Leu Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1622
<211> 34
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<220>
<223> C-term Amide

<400> 1622
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1623
<211> 34
<212> PRT
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<220>
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<220>

<223> C-term Amide

<400> 1623
Asp Cys Leu Gly Gly Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1624
<211> 34
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<223> Pra

<220>
<223> C-term Amide

<400> 1624
Asp Cys Leu Gly Ala Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1625
<211> 34
<212> PRT
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<223> Pra

<220>
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<400> 1625
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1626
<211> 34
<212> PRT
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<400> 1626
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1627
<211> 34
<212> PRT
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<223> Pra

<220>
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Asp Cys Leu Gly Xaa Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1628
<211> 34
<212> PRT
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<220>
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<220>
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<223> Pra

<220>
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<400> 1628
Asp Cys Leu Gly Val Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1629
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1629

Asp Cys Leu Gly Leu Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1630
<211> 34
<212> PRT
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<220>
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<400> 1630
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1631
<211> 34
<212> PRT
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1631
Asp Cys Leu Gly Gly Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1632
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1632
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1633
<211> 34
<212> PRT
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<220>
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<400> 1633
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1634
<211> 34
<212> PRT
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1635
<211> 34
<212> PRT
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<220>
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<400> 1635
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1636
<211> 34
<212> PRT
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<220>
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<400> 1636
Asp Cys Leu Gly Val Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1637
<211> 34
<212> PRT
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<400> 1637
Asp Cys Leu Gly Leu Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1638
<211> 34
<212> PRT
<213> Artificial Sequence

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<223> Pra

<220>
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<400> 1638
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1639
<211> 34
<212> PRT
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1640
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<212> PRT
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<220>
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Asp Cys Leu Gly Ala Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1641
<211> 34
<212> PRT
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Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1642
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<212> PRT
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<220>
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<400> 1642
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1643
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<212> PRT
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<223> Pra

<220>
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Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1644
<211> 34
<212> PRT
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<223> Pra

<220>
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<400> 1644
Asp Cys Leu Gly Val Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
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Val Phe

<210> 1645
<211> 34
<212> PRT
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<220>
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<223> Pra

<220>
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<400> 1645
Asp Cys Leu Gly Leu Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1646
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> Pra

<220>
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<400> 1646
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Glu Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1647
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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polypeptide

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<220>
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<400> 1647
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1648
<211> 34
<212> PRT
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<220>
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polypeptide

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<220>
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<400> 1648
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1649
<211> 34
<212> PRT
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<220>
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polypeptide

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<220>
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<400> 1649
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1650
<211> 34
<212> PRT
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1650
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1651
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<400> 1651
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1652
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 2-Abu

<220>
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<400> 1652
Asp Cys Leu Gly Phe Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1653
<211> 34
<212> PRT
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<220>
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<400> 1653
Asp Cys Leu Gly Phe Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1654
<211> 34
<212> PRT
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<400> 1654
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1655
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 1655
Asp Cys Leu Gly Phe Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1656
<211> 34
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1656
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1657
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1657
Asp Cys Leu Gly Gly Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1658
<211> 34
<212> PRT
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<220>
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<223> 2-Abu

<220>
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<400> 1658
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1659
<211> 34
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<220>
<223> C-term Amide

<400> 1659
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1660
<211> 34
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<213> Artificial Sequence

<220>
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polypeptide

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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1660
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1661
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1661
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1662
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1662
Asp Cys Leu Gly Val Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1663
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1663
Asp Cys Leu Gly Leu Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1664
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1665
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 1665
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1666
<211> 34
<212> PRT
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polypeptide

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<220>
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<400> 1666
Asp Cys Leu Gly Phe Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1667
<211> 34
<212> PRT
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polypeptide

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<223> Pra

<220>
<223> C-term Amide

<400> 1667
Asp Cys Leu Gly Phe Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1668
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1668
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1669
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1669
Asp Cys Leu Gly Phe Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1670
<211> 34
<212> PRT
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1670
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1671
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<222> (13)..(13)
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<220>
<223> C-term Amide

<400> 1671
Asp Cys Leu Gly Gly Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1672
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> Pra

<220>
<223> C-term Amide

<400> 1672

Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1673
<211> 34
<212> PRT
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<220>
<223> C-term Amide

<400> 1673
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1674
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1674
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1675
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1675
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1676
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>

<223> C-term Amide

<400> 1676
Asp Cys Leu Gly Val Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1677
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1677
Asp Cys Leu Gly Leu Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1678
<211> 34
<212> PRT
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<220>
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      polypeptide

<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1678
Asp Cys Leu Gly Ile Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1679
<211> 34
<212> PRT
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<220>
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<220>
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<220>
<223> C-term Amide

<400> 1679
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1680
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1680
Asp Cys Leu Gly Phe Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1681
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1681
Asp Cys Leu Gly Phe Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1682
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1682
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1683
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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polypeptide

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<223> 2-Abu

<220>
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<400> 1683
Asp Cys Leu Gly Phe Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1684
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1684
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1685
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1685
Asp Cys Leu Gly Gly Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1686
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<223> 2-Abu

<220>
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<400> 1686
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1687
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<220>
<223> C-term Amide

<400> 1687
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1688
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1688
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1689
<211> 34
<212> PRT
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<223> Description of Artificial Sequence: Synthetic
polypeptide

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<222> (13)..(13)
<223> 2-Abu

<220>
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<400> 1689
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1690
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1690
Asp Cys Leu Gly Val Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1691
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1691
Asp Cys Leu Gly Leu Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1692
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1692
Asp Cys Leu Gly Ile Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1693
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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

<223> Pra

<220>
<223> C-term Amide

<400> 1693
Asp Cys Leu Gly Phe Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1694
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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

<220>
<223> C-term Amide

<400> 1694
Asp Cys Leu Gly Phe Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1695
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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

<220>
<223> C-term Amide

<400> 1695

Asp Cys Leu Gly Phe Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1696
<211> 34
<212> PRT
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<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1696
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1697
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
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<223> Pra

<220>
<223> C-term Amide

<400> 1697
Asp Cys Leu Gly Phe Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1698
<211> 34
<212> PRT
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1698
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1699
<211> 34
<212> PRT
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1699
Asp Cys Leu Gly Gly Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1700
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
<223> C-term Amide

<400> 1700
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1701
<211> 34
<212> PRT
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<223> Pra

<220>
<223> C-term Amide

<400> 1701
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1702
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
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<400> 1702
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1703
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Val Phe

<210> 1704
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1705
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1706
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1707
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1708
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<400> 1708
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1709
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1710
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1711
<211> 34
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<400> 1711
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1712
<211> 34
<212> PRT
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<400> 1712
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1713
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1714
<211> 34
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1715
<211> 34
<212> PRT
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<400> 1715
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1716
<211> 34
<212> PRT
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<400> 1716
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1717
<211> 34
<212> PRT
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<220>
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<400> 1717
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1718
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1718
Asp Cys Leu Gly Phe Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1719
<211> 34
<212> PRT
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<220>
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<400> 1719
Asp Cys Leu Gly Phe Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1720
<211> 34
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<220>
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<400> 1720
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1721
<211> 34
<212> PRT
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<400> 1721
Asp Cys Leu Gly Gly Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1722
<211> 34
<212> PRT
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<220>
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<400> 1722
Asp Cys Leu Gly Ala Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1723
<211> 34
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<400> 1723
Asp Cys Leu Gly Xaa Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1724
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1724
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1725
<211> 34
<212> PRT
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<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1726
<211> 34
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<220>
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<400> 1726
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1727
<211> 34
<212> PRT
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<220>
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<400> 1727
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1728
<211> 34
<212> PRT
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<220>
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<220>
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<220>
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<400> 1728
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 1729
<211> 34
<212> PRT
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<220>
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<400> 1729
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1730
<211> 34
<212> PRT
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<400> 1730
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1731
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Abu

<220>
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<400> 1731
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1732
<211> 34
<212> PRT
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<220>
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polypeptide

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<400> 1732
Asp Cys Leu Gly Gly Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1733
<211> 34
<212> PRT
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1734
<211> 34
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<400> 1734
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1735

<211> 34
<212> PRT
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<220>
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Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1736
<211> 34
<212> PRT
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<220>
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polypeptide

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<220>
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<400> 1736
Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1737
<211> 34
<212> PRT
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<220>
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<220>
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<220>
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<400> 1737
Asp Cys Leu Gly Val Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1738
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<400> 1738
Asp Cys Leu Gly Leu Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1739
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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polypeptide

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<220>
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<400> 1739
Asp Cys Leu Gly Ile Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1740
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<220>
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<400> 1740
Asp Cys Leu Gly Gly Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1741
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<220>
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<400> 1741
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1742
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1742
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1743
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<400> 1743
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1744
<211> 34
<212> PRT
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<220>
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<220>
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<222> (5)..(5)
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<223> 2-Abu

<220>
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<400> 1744
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1745
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<223> Description of Artificial Sequence: Synthetic
polypeptide

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<400> 1745
Asp Cys Leu Gly Val Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1746
<211> 34
<212> PRT
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<220>
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polypeptide

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<220>
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<400> 1746
Asp Cys Leu Gly Leu Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1747
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<222> (13)..(13)
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<220>
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<400> 1747
Asp Cys Leu Gly Ile Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1748
<211> 34
<212> PRT
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<220>
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<220>
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<220>
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<400> 1748
Asp Cys Leu Gly Gly Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1749
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1749
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1750
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 1750
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1751
<211> 34
<212> PRT
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<220>
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<220>
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<220>
<223> C-term Amide

<400> 1751
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1752
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1752
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1753
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1753
Asp Cys Leu Gly Val Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1754
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1754
Asp Cys Leu Gly Leu Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1755
<211> 34
<212> PRT
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<220>
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<220>
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<220>
<223> C-term Amide

<400> 1755
Asp Cys Leu Gly Ile Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1756
<211> 34
<212> PRT
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1756
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1757
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1757
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1758
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1758
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1759
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> Nva

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1759
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1760
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Abu

<220>
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<400> 1760
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1761
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<221> MOD_RES
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1761
Asp Cys Leu Gly Val Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1762
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<221> MOD_RES
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<222> (13)..(13)
<223> 2-Abu

<220>
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<400> 1762
Asp Cys Leu Gly Leu Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1763
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1763
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1764
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1764
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1765
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1765
Asp Cys Leu Gly Phe Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1766
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> C-term Amide

<400> 1766
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1767
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1767
Asp Cys Leu Gly Gly Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1768
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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

<220>
<223> C-term Amide

<400> 1768
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1769
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1769
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1770
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
<221> MOD_RES
<222> (5)..(5)
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<220>
<223> C-term Amide

<400> 1770
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1771
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
<221> MOD_RES
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<223> Pra

<220>
<223> C-term Amide

<400> 1771
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1772
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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

<220>
<223> C-term Amide

<400> 1772
Asp Cys Leu Gly Val Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1773
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1773
Asp Cys Leu Gly Leu Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1774
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1774
Asp Cys Leu Gly Ile Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1775
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

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

<220>
<223> C-term Amide

<400> 1775
Asp Cys Leu Gly Phe Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1776
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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

<220>
<223> C-term Amide

<400> 1776
Asp Cys Leu Gly Phe Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1777
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (6)..(6)
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1777
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1778
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1778
Asp Cys Leu Gly Gly Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1779
<211> 34
<212> PRT
<213> Artificial Sequence

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

<223> Pra

<220>
<223> C-term Amide

<400> 1779
Asp Cys Leu Gly Ala Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1780
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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      polypeptide

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 2-Abu

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

<220>
<223> C-term Amide

<400> 1780
Asp Cys Leu Gly Xaa Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1781
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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      polypeptide

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

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

<220>
<223> C-term Amide

<400> 1781
Asp Cys Leu Gly Xaa Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1782
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
<222> (5)..(5)
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<220>
<221> MOD_RES
<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1782
Asp Cys Leu Gly Xaa Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1783
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1783
Asp Cys Leu Gly Val Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1784
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1784
Asp Cys Leu Gly Leu Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1785
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>

<223> C-term Amide

<400> 1785
Asp Cys Leu Gly Ile Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1786
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1786
Asp Cys Leu Gly Phe Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1787
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1787
Asp Cys Leu Gly Phe Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1788
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

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

<220>
<223> C-term Amide

<400> 1788
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1789
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1789
Asp Cys Leu Gly Gly Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1790
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1790
Asp Cys Leu Gly Ala Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1791
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1791
Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 1792
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1792
Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1793
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
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<223> Nle

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

<220>
<223> C-term Amide

<400> 1793
Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1794
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
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<400> 1794
Asp Cys Leu Gly Val Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1795
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<400> 1795
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1796
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<400> 1796
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1797
<211> 34
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<400> 1797
Asp Cys Leu Gly Gly Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1798

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1799
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<220>
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Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1800
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<220>
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<400> 1800
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
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20 25 30

Val Phe

<210> 1801
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<220>
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Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1802
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1803
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1804
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1805
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1806
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1807
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1808
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1809
<211> 34
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Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1810
<211> 34
<212> PRT
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<400> 1810
Asp Cys Leu Gly Val Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1811
<211> 34
<212> PRT
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<400> 1811
Asp Cys Leu Gly Leu Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1812
<211> 34
<212> PRT
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<400> 1812
Asp Cys Leu Gly Ile Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1813
<211> 34
<212> PRT
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<220>
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<400> 1813
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1814
<211> 34
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<223> Pra

<220>
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<400> 1814
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1815
<211> 34
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Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1816
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<220>
<223> C-term Amide

<400> 1816
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1817
<211> 34
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<220>
<223> C-term Amide

<400> 1817
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1818
<211> 34
<212> PRT
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<223> Pra

<220>
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<400> 1818
Asp Cys Leu Gly Val Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1819
<211> 34
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<400> 1819
Asp Cys Leu Gly Leu Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1820
<211> 34
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<223> Pra

<220>
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<400> 1820
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1821
<211> 34
<212> PRT
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<400> 1821

Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1822
<211> 34
<212> PRT
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<400> 1822
Asp Cys Leu Gly Phe Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1823
<211> 34
<212> PRT
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<400> 1823
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1824
<211> 34
<212> PRT
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<220>
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<400> 1824
Asp Cys Leu Gly Gly Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1825
<211> 34
<212> PRT
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<400> 1825
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1826
<211> 34
<212> PRT
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<400> 1826
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1827
<211> 34
<212> PRT
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<220>
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Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1828
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1828
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1829
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<400> 1829
Asp Cys Leu Gly Val Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1830
<211> 34
<212> PRT
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<220>
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<220>
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<223> 2-Abu

<220>
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<400> 1830
Asp Cys Leu Gly Leu Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1831
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1831
Asp Cys Leu Gly Ile Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1832
<211> 34
<212> PRT
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<220>
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polypeptide

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<220>
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<400> 1832
Asp Cys Leu Gly Phe Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1833
<211> 34
<212> PRT
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polypeptide

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<220>
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<400> 1833
Asp Cys Leu Gly Phe Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1834
<211> 34
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<220>
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<220>
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<400> 1834
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1835
<211> 34
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polypeptide

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<400> 1835
Asp Cys Leu Gly Gly Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1836
<211> 34
<212> PRT
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<220>
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<220>
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<220>
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<400> 1836
Asp Cys Leu Gly Ala Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1837
<211> 34
<212> PRT
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<220>
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<400> 1837
Asp Cys Leu Gly Xaa Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1838
<211> 34
<212> PRT
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polypeptide

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<220>
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<400> 1838
Asp Cys Leu Gly Xaa Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1839
<211> 34
<212> PRT
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<220>
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polypeptide

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<220>
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<400> 1839
Asp Cys Leu Gly Xaa Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1840
<211> 34

<212> PRT
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<223> C-term Amide

<400> 1840
Asp Cys Leu Gly Val Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1841
<211> 34
<212> PRT
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<223> C-term Amide

<400> 1841
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1842
<211> 34
<212> PRT
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<220>
<223> C-term Amide

<400> 1842
Asp Cys Leu Gly Ile Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1843
<211> 34
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<220>
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<400> 1843
Asp Cys Leu Gly Phe Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1844
<211> 34
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<220>
<223> C-term Amide

<400> 1844
Asp Cys Leu Gly Phe Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1845
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1845
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1846
<211> 34
<212> PRT
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1846
Asp Cys Leu Gly Gly Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1847
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 1847
Asp Cys Leu Gly Ala Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1848
<211> 34
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<223> C-term Amide

<400> 1848
Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1849
<211> 34
<212> PRT
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<220>
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<220>
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<220>
<223> C-term Amide

<400> 1849
Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1850
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<220>
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<220>
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<400> 1850
Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1851
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 1851
Asp Cys Leu Gly Val Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1852
<211> 34
<212> PRT
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<220>
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<400> 1852
Asp Cys Leu Gly Leu Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1853
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 1853
Asp Cys Leu Gly Ile Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1854
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 1854
Asp Cys Leu Gly Gly Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 1855
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 1855
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1856
<211> 34
<212> PRT
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<220>
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<400> 1856
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1857
<211> 34
<212> PRT
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<220>
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<400> 1857
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1858
<211> 34
<212> PRT
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<220>
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<400> 1858
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1859
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1859
Asp Cys Leu Gly Val Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1860
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<222> (13)..(13)
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<220>
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<400> 1860
Asp Cys Leu Gly Leu Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1861
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1861
Asp Cys Leu Gly Ile Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1862
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1862
Asp Cys Leu Gly Gly Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1863
<211> 34

<212> PRT
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<400> 1863
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1864
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1865
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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<400> 1865
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1866
<211> 34
<212> PRT
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<400> 1866
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1867
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<212> PRT
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<400> 1867
Asp Cys Leu Gly Val Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1868
<211> 34
<212> PRT
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<220>
<223> C-term Amide

<400> 1868
Asp Cys Leu Gly Leu Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1869
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<212> PRT
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<220>
<223> C-term Amide

<400> 1869
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1870
<211> 34
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<400> 1870
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
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Val Phe

<210> 1871
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<212> PRT
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<223> 2-Abu

<220>
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<400> 1871
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1872
<211> 34
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<220>
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<400> 1872
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1873
<211> 34
<212> PRT
<213> Artificial Sequence

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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1873
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1874
<211> 34
<212> PRT
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<220>
<223> C-term Amide

<400> 1874
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1875
<211> 34
<212> PRT
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1875
Asp Cys Leu Gly Val Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1876
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1876
Asp Cys Leu Gly Leu Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1877
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 1877
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1878
<211> 34
<212> PRT
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<220>
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<220>

<221> MOD_RES
<222> (13)..(13)
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<220>
<223> C-term Amide

<400> 1878
Asp Cys Leu Gly Phe Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1879
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1879
Asp Cys Leu Gly Phe Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1880
<211> 34
<212> PRT
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<222> (13)..(13)
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<220>
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<400> 1880
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1881
<211> 34
<212> PRT
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<220>
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<220>
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<222> (13)..(13)
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<220>
<223> C-term Amide

<400> 1881
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1882
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1882
Asp Cys Leu Gly Ala Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1883
<211> 34
<212> PRT
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<223> Pra

<220>
<223> C-term Amide

<400> 1883
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1884
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 1884
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1885
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> Pra

<220>
<223> C-term Amide

<400> 1885
Asp Cys Leu Gly Xaa Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1886
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1886
Asp Cys Leu Gly Val Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1887
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1887
Asp Cys Leu Gly Leu Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1888
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1888
Asp Cys Leu Gly Ile Met Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1889
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1889
Asp Cys Leu Gly Phe Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1890
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1890
Asp Cys Leu Gly Phe Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1891
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1891
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1892
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1892
Asp Cys Leu Gly Gly Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1893
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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

<220>
<223> C-term Amide

<400> 1893
Asp Cys Leu Gly Ala Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1894
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1894
Asp Cys Leu Gly Xaa Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1895
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1895
Asp Cys Leu Gly Xaa Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1896
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1896
Asp Cys Leu Gly Xaa Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1897
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1897
Asp Cys Leu Gly Val Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1898
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1898
Asp Cys Leu Gly Leu Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1899
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1899
Asp Cys Leu Gly Ile Met Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1900
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1900
Asp Cys Leu Gly Phe Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1901
<211> 34
<212> PRT
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<220>

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polypeptide

<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1901
Asp Cys Leu Gly Phe Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1902
<211> 34
<212> PRT
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1902
Asp Cys Leu Gly Phe Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1903
<211> 34
<212> PRT
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<220>
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polypeptide

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

<220>
<223> C-term Amide

<400> 1903
Asp Cys Leu Gly Gly Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1904
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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

<220>
<223> C-term Amide

<400> 1904
Asp Cys Leu Gly Ala Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1905
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 2-Abu

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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1905
Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1906
<211> 34
<212> PRT
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<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1906
Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1907
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1907
Asp Cys Leu Gly Xaa Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1908
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1908
Asp Cys Leu Gly Val Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1909
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1909
Asp Cys Leu Gly Leu Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1910
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1910
Asp Cys Leu Gly Ile Met Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1911
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>

<223> C-term Amide

<400> 1911
Asp Cys Leu Gly Gly Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1912
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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      polypeptide

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

<220>
<223> C-term Amide

<400> 1912
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1913
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1913
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1914
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1914
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1915
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 1915
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1916
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1916
Asp Cys Leu Gly Val Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1917
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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      polypeptide

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

<220>
<223> C-term Amide

<400> 1917

Asp Cys Leu Gly Leu Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1918
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1918
Asp Cys Leu Gly Ile Phe Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1919
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1919
Asp Cys Leu Gly Gly Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1920
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1920
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1921
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
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<223> 2-Abu

<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1921
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1922
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1922
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1923
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<223> C-term Amide

<400> 1923
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1924
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1924
Asp Cys Leu Gly Val Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1925
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1925
Asp Cys Leu Gly Leu Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1926
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

<220>
<223> C-term Amide

<400> 1926
Asp Cys Leu Gly Ile Leu Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1927
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
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<222> (6)..(6)
<223> Nle

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

<220>
<223> C-term Amide

<400> 1927
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1928
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

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

<220>
<223> C-term Amide

<400> 1928
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1929
<211> 34
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MOD_RES
<222> (5)..(5)
<223> 2-Abu

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

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

<220>
<223> C-term Amide

<400> 1929
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys

1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1930
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (6)..(6)
<223> Nle

<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1930
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1931
<211> 34
<212> PRT
<213> Artificial Sequence

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

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

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

<220>
<223> C-term Amide

<400> 1931
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1932
<211> 34
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<220>
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<223> Pra

<220>
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<400> 1932
Asp Cys Leu Gly Val Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1933
<211> 34
<212> PRT
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<220>
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polypeptide

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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 1933
Asp Cys Leu Gly Leu Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1934
<211> 34
<212> PRT
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<220>
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<223> Pra

<220>
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<400> 1934
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Ile Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1935
<211> 34
<212> PRT

<213> Artificial Sequence

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polypeptide

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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1935
Asp Cys Leu Gly Gly Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1936
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<220>
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<400> 1936
Asp Cys Leu Gly Ala Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1937
<211> 34
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polypeptide

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<223> 2-Abu

<220>
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<400> 1937
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1938
<211> 34
<212> PRT
<213> Artificial Sequence

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<220>
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<400> 1938
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1939
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<400> 1939
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1940
<211> 34
<212> PRT
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<220>
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<223> C-term Amide

<400> 1940
Asp Cys Leu Gly Val Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1941
<211> 34
<212> PRT
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<400> 1941
Asp Cys Leu Gly Leu Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1942
<211> 34
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<220>
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<223> C-term Amide

<400> 1942
Asp Cys Leu Gly Ile Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1943
<211> 34
<212> PRT
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<220>
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<222> (13)..(13)
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<400> 1943
Asp Cys Leu Gly Gly Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1944
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> C-term Amide

<400> 1944
Asp Cys Leu Gly Ala Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1945
<211> 34
<212> PRT
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<223> 2-Abu

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<223> C-term Amide

<400> 1945
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1946
<211> 34
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1946
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1947
<211> 34
<212> PRT
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1947
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1948
<211> 34
<212> PRT
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<223> C-term Amide

<400> 1948
Asp Cys Leu Gly Val Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1949
<211> 34
<212> PRT
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<220>
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<400> 1949
Asp Cys Leu Gly Leu Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1950
<211> 34
<212> PRT
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<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1950
Asp Cys Leu Gly Ile Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1951
<211> 34
<212> PRT
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<223> C-term Amide

<400> 1951
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1952
<211> 34
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<223> C-term Amide

<400> 1952
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 1953
<211> 34
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<223> C-term Amide

<400> 1953
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1954
<211> 34
<212> PRT
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<223> C-term Amide

<400> 1954
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1955
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<400> 1955
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1956
<211> 34
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<400> 1956
Asp Cys Leu Gly Val Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1957
<211> 34
<212> PRT
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<400> 1957
Asp Cys Leu Gly Leu Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1958
<211> 34
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<223> 2-Abu

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<223> C-term Amide

<400> 1958
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1959
<211> 34
<212> PRT
<213> Artificial Sequence

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<400> 1959
Asp Cys Leu Gly Gly Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1960
<211> 34
<212> PRT
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<220>
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<400> 1960
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1961
<211> 34
<212> PRT
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<220>
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<400> 1961
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1962
<211> 34
<212> PRT
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<220>
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<220>
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<400> 1962
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1963
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
<223> C-term Amide

<400> 1963
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1964
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
<223> C-term Amide

<400> 1964
Asp Cys Leu Gly Val Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 1965
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> 2-Abu

<220>
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<400> 1965
Asp Cys Leu Gly Leu Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1966
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<400> 1966
Asp Cys Leu Gly Ile Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1967
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
<221> MOD_RES
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1967
Asp Cys Leu Gly Gly Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1968
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1968
Asp Cys Leu Gly Ala Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1969
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1969
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1970
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1970
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1971

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

<220>
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polypeptide

<220>
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<223> 2-Abu

<220>
<223> C-term Amide

<400> 1971
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1972
<211> 34
<212> PRT
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polypeptide

<220>
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<220>
<223> C-term Amide

<400> 1972
Asp Cys Leu Gly Val Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1973
<211> 34

<212> PRT
<213> Artificial Sequence

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polypeptide

<220>
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<220>
<223> C-term Amide

<400> 1973
Asp Cys Leu Gly Leu Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1974
<211> 34
<212> PRT
<213> Artificial Sequence

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polypeptide

<220>
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<222> (13)..(13)
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<220>
<223> C-term Amide

<400> 1974
Asp Cys Leu Gly Ile Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1975
<211> 34
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<220>
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polypeptide

<220>
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<220>
<223> C-term Amide

<400> 1975
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 1976
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

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Val Phe

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<210> 2008

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<400> 2012
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2021
<211> 34
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<220>
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polypeptide

<220>
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<223> Pra

<220>
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<400> 2021
Asp Cys Leu Gly Leu Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2022
<211> 34
<212> PRT
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<220>
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polypeptide

<220>
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<223> Pra

<220>
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<400> 2022
Asp Cys Leu Gly Ile Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2023
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<223> Pra

<220>
<223> C-term Amide

<400> 2023
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2024
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<223> Pra

<220>
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<400> 2024
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2025
<211> 34
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<220>
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<223> Pra

<220>
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<400> 2025
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2026
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<223> Pra

<220>
<223> C-term Amide

<400> 2026
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2027
<211> 34
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<223> Pra

<220>
<223> C-term Amide

<400> 2027
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2028
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 2028
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2029
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<220>
<223> C-term Amide

<400> 2029
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2030
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<220>
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<400> 2030
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2031
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<220>
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<400> 2031

Asp Cys Leu Gly Gly Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2032
<211> 34
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<220>
<223> C-term Amide

<400> 2032
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2033
<211> 34
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<223> Pra

<220>
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<400> 2033
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2034
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2035
<211> 34
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<223> C-term Amide

<400> 2035
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2036
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<400> 2036
Asp Cys Leu Gly Val Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2037
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<400> 2037
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2038
<211> 34
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<400> 2038
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2039
<211> 34
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<223> Pra

<220>
<223> C-term Amide

<400> 2039
Asp Cys Leu Gly Gly Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2040
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<223> Pra

<220>
<223> C-term Amide

<400> 2040
Asp Cys Leu Gly Ala Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2041
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<400> 2041
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2042
<211> 34
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<220>
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<400> 2042
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2043
<211> 34
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<220>
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polypeptide

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<220>
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<400> 2043
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2044
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<220>
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<400> 2044
Asp Cys Leu Gly Val Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2045
<211> 34
<212> PRT
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<223> Pra

<220>
<223> C-term Amide

<400> 2045
Asp Cys Leu Gly Leu Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2046
<211> 34
<212> PRT
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<220>
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<220>
<223> C-term Amide

<400> 2046
Asp Cys Leu Gly Ile Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2047
<211> 34
<212> PRT
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<220>
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<220>
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<400> 2047
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2048

<211> 34
<212> PRT
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<223> Pra

<220>
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<400> 2048
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2049
<211> 34
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<223> Pra

<220>
<223> C-term Amide

<400> 2049
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2050
<211> 34
<212> PRT
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<220>
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<220>
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<400> 2050
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2051
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<220>
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<220>
<223> C-term Amide

<400> 2051
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2052
<211> 34
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polypeptide

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<223> Pra

<220>
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<400> 2052
Asp Cys Leu Gly Val Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2053
<211> 34
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polypeptide

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<223> Pra

<220>
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Asp Cys Leu Gly Leu Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2054
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<223> Pra

<220>
<223> C-term Amide

<400> 2054
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2055
<211> 34
<212> PRT
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polypeptide

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<223> Pra

<220>
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<400> 2055
Asp Cys Leu Gly Gly Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2056
<211> 34
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<400> 2056
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2057
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polypeptide

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<223> Pra

<220>
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<400> 2057
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2058
<211> 34
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<220>
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<400> 2058
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2059
<211> 34
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<400> 2059
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2060
<211> 34
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<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 2060
Asp Cys Leu Gly Val Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2061
<211> 34
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<220>
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<223> Pra

<220>
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<400> 2061
Asp Cys Leu Gly Leu Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2062
<211> 34
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<220>
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polypeptide

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<400> 2062
Asp Cys Leu Gly Ile Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2063
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polypeptide

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<222> (13)..(13)
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<220>
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<400> 2063
Asp Cys Leu Gly Gly Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2064
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<220>
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<400> 2064
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2065
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<400> 2065
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2066
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<220>
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<220>
<223> C-term Amide

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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2067
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2068
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<220>
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<400> 2068
Asp Cys Leu Gly Val Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2069
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<220>
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<400> 2069
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2070
<211> 34
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<220>
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<400> 2070
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2071
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<220>
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Asp Cys Leu Gly Gly Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2072
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Asp Cys Leu Gly Ala Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2073
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2074
<211> 34
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<223> Pra

<220>
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Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2075
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2076
<211> 34
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2077
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<220>
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Asp Cys Leu Gly Leu Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2078
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<220>
<223> C-term Amide

<400> 2078
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Asp Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 2079
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<400> 2079
Asp Cys Leu Gly Gly Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2080
<211> 34
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<400> 2080
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2081
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Val Phe

<210> 2082
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<400> 2082
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2083
<211> 34
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<400> 2083
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2084
<211> 34
<212> PRT
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<220>
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<400> 2084
Asp Cys Leu Gly Val Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2085
<211> 34
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<400> 2085
Asp Cys Leu Gly Leu Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2086
<211> 34
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<400> 2086
Asp Cys Leu Gly Ile Phe Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
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Val Phe

<210> 2087
<211> 34

<212> PRT
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<400> 2087
Asp Cys Leu Gly Gly Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2088
<211> 34
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<400> 2088
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2089
<211> 34
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<400> 2089
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2090
<211> 34
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<220>
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<400> 2090
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2091
<211> 34
<212> PRT
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<220>
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<400> 2091
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2092
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<212> PRT
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<220>
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<400> 2092
Asp Cys Leu Gly Val Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2093
<211> 34
<212> PRT
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<400> 2093
Asp Cys Leu Gly Leu Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2094
<211> 34
<212> PRT
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<220>
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<400> 2094
Asp Cys Leu Gly Ile Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2095
<211> 34
<212> PRT
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<400> 2095
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2096
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Asp Cys Leu Gly Ala Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2097
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<212> PRT
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polypeptide

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<220>
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Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2098
<211> 34
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 2099
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<220>
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Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2100
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2101
<211> 34
<212> PRT
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2102
<211> 34
<212> PRT
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<220>
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<223> 2-Abu

<220>
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<400> 2102
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2103
<211> 34
<212> PRT
<213> Artificial Sequence

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<223> 2-Abu

<220>
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<400> 2103
Asp Cys Leu Gly Gly Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2104
<211> 34
<212> PRT
<213> Artificial Sequence

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<220>
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<400> 2104
Asp Cys Leu Gly Ala Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2105
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1 5 10 15

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20 25 30

Val Phe

<210> 2106
<211> 34
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<223> 2-Abu

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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2107
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Asp Cys Leu Gly Xaa Phe Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2108
<211> 34
<212> PRT
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2109
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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            20   25   30

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Val Phe

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Val Phe

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            20   25   30

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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Asp Trp Cys Lys Tyr
            20   25   30

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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<210> 2225
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2337
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Val Phe

<210> 2338
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<210> 2340
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Val Phe

<210> 2341
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Val Phe

<210> 2342
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Val Phe

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Val Phe

<210> 2344
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Val Phe

<210> 2345
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<220>
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Val Phe

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<210> 2348
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Val Phe

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Val Phe

<210> 2355
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<210> 2356
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Val Phe

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Val Phe

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Val Phe

<210> 2361
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<220>
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Val Phe

<210> 2362
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Val Phe

<210> 2363
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Val Phe

<210> 2364
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<210> 2365
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<210> 2367
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1 5 10 15

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Val Phe

<210> 2372
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1 5 10 15

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Val Phe

<210> 2373
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<400> 2376
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Val Phe

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<210> 2378
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Val Phe

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Val Phe

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Val Phe

<210> 2382
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Val Phe

<210> 2383
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Val Phe

<210> 2384
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<210> 2385
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Val Phe

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20 25 30

Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2405
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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2411
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<210> 2413
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Val Phe

<210> 2414
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Val Phe

<210> 2415
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2416
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<220>
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2417
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Val Phe

<210> 2418
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<220>
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1 5 10 15

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Val Phe

<210> 2419
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<220>
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Val Phe

<210> 2420
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<220>
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1 5 10 15

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20 25 30

Val Phe

<210> 2421
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<220>
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1 5 10 15

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20 25 30

Val Phe

<210> 2422
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<400> 2422
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2423
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<400> 2423
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2424

<211> 34
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1 5 10 15

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Val Phe

<210> 2425
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Val Phe

<210> 2426
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20 25 30

Val Phe

<210> 2427
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polypeptide

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<400> 2427
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Val Phe

<210> 2428
<211> 34
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20 25 30

Val Phe

<210> 2429
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2430
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<400> 2430
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2431
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<400> 2431
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2432
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<220>
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<400> 2432
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2433
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2434
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<400> 2434
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2435
<211> 34
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<400> 2435
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2436
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2437
<211> 34
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<400> 2437
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2438
<211> 34
<212> PRT
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<220>
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<400> 2438
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2439
<211> 34
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<220>
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            20   25   30

Val Phe

<210> 2440
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2441
<211> 34
<212> PRT
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2442
<211> 34
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<220>
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Val Phe

<210> 2443
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<220>
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<400> 2443
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2444
<211> 34
<212> PRT
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<220>
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<220>

<223> C-term Amide

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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2445
<211> 34
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<223> 2-Abu

<220>
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<400> 2445
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2446
<211> 34
<212> PRT
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<220>
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<220>
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<400> 2446
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2447
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<400> 2447
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Val Phe

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Val Phe

<210> 2449
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20 25 30

Val Phe

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20 25 30

Val Phe

<210> 2451
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<400> 2451
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2452
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2453
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1 5 10 15

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20 25 30

Val Phe

<210> 2454
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<212> PRT
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<400> 2454
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2455
<211> 34
<212> PRT
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<220>
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<400> 2455
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2456
<211> 34
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20 25 30

Val Phe

<210> 2457
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1 5 10 15

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Val Phe

<210> 2458
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1 5 10 15

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Val Phe

<210> 2459
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<212> PRT
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Val Phe

<210> 2460
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20 25 30

Val Phe

<210> 2461
<211> 34
<212> PRT
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<220>
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20 25 30

Val Phe

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<220>
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1 5 10 15

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20 25 30

Val Phe

<210> 2463
<211> 34
<212> PRT
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<220>
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<220>
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<400> 2463
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20 25 30

Val Phe

<210> 2464

<211> 34
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<223> Pra

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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2465
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polypeptide

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<220>
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Val Phe

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Val Phe

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<220>
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<400> 2467
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Val Phe

<210> 2468
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polypeptide

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Val Phe

<210> 2469
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polypeptide

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Val Phe

<210> 2470
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polypeptide

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<400> 2470
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2471
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<212> PRT
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polypeptide

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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2472
<211> 34
<212> PRT
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polypeptide

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Val Phe

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Val Phe

<210> 2474
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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<210> 2491
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Val Phe

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Val Phe

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Val Phe

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20 25 30

Val Phe

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1 5 10 15

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20 25 30

Val Phe

<210> 2512
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Val Phe

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20 25 30

Val Phe

<210> 2514
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2515
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2516
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Val Phe

<210> 2517
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20 25 30

Val Phe

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Val Phe

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<210> 2523
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Val Phe

<210> 2524
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<210> 2526
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<210> 2527

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Val Phe

<210> 2528
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<210> 2530
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Val Phe

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Val Phe

<210> 2533
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1 5 10 15

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Val Phe

<210> 2535
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1 5 10 15

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Val Phe

<210> 2536
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1 5 10 15

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Val Phe

<210> 2537
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2538
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1 5 10 15

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Val Phe

<210> 2539
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1 5 10 15

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Val Phe

<210> 2540
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1 5 10 15

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Val Phe

<210> 2541
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<400> 2541
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2542
<211> 34
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<400> 2542
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2543
<211> 34
<212> PRT
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<220>
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<400> 2543
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1 5 10 15

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Val Phe

<210> 2544
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2545
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<220>
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2546
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2547
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<220>
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<400> 2547
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2548
<211> 34
<212> PRT
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<220>
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2549
<211> 34
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<220>
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<400> 2549
Asp Cys Leu Gly Leu Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2550
<211> 34
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<220>
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<400> 2550

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2551
<211> 34
<212> PRT
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<220>
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<400> 2551
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2552
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<212> PRT
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2553
<211> 34
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1 5 10 15

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20 25 30

Val Phe

<210> 2554
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1 5 10 15

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20 25 30

Val Phe

<210> 2555
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20 25 30

Val Phe

<210> 2556
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1 5 10 15

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20 25 30

Val Phe

<210> 2557
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 2558
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<220>
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<400> 2558
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2559
<211> 34
<212> PRT
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<220>
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<400> 2559
Asp Cys Leu Gly Gly Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2560
<211> 34
<212> PRT
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<220>
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<400> 2560
Asp Cys Leu Gly Ala Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2561
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2562
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
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<210> 2563
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

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Val Phe

<210> 2565
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2566
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2567
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Val Phe

<210> 2568
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<210> 2569
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<210> 2570
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Val Phe

<210> 2571
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2572
<211> 34
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2573
<211> 34
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2574
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Val Phe

<210> 2575
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Val Phe

<210> 2576
<211> 34
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Val Phe

<210> 2577
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<210> 2578
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Val Phe

<210> 2579
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<220>
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<400> 2579
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1 5 10 15

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Val Phe

<210> 2580
<211> 34
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1 5 10 15

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Val Phe

<210> 2581
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1 5 10 15

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Val Phe

<210> 2582
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<400> 2582
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2583
<211> 34
<212> PRT
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<400> 2583
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2584
<211> 34
<212> PRT
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<223> Pra

<220>
<223> C-term Amide

<400> 2584
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2585
<211> 34
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2586
<211> 34
<212> PRT
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<220>
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<220>
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<400> 2586
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2587
<211> 34
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<400> 2587
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1 5 10 15

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20 25 30

Val Phe

<210> 2588
<211> 34
<212> PRT
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2589
<211> 34
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<400> 2589
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2590
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<400> 2590
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Val Phe

<210> 2591
<211> 34
<212> PRT
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Val Phe

<210> 2592
<211> 34
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<220>
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<400> 2592
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2593
<211> 34
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<220>
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<400> 2593
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            20   25   30

Val Phe

<210> 2594
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2595
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<220>
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20 25 30

Val Phe

<210> 2596
<211> 34
<212> PRT
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20 25 30

Val Phe

<210> 2597
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<220>
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<400> 2597
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20 25 30

Val Phe

<210> 2598
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<220>
<223> C-term Amide

<400> 2598
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1 5 10 15

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20 25 30

Val Phe

<210> 2599
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<220>
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<400> 2599
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

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<220>
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20 25 30

Val Phe

<210> 2601
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20 25 30

Val Phe

<210> 2602
<211> 34
<212> PRT
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<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2603
<211> 34
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<223> Pra

<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2604
<211> 34
<212> PRT
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<223> Pra

<220>
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<400> 2604
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Cys Arg Pro Asn Leu Val Cys Ser Arg Thr His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2605
<211> 34
<212> PRT

<213> Artificial Sequence

<220>
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polypeptide

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Val Phe

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Val Phe

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Val Phe

<210> 2655
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Val Phe

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Val Phe

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Val Phe

<210> 2661
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Val Phe

<210> 2662
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Val Phe

<210> 2663
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

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<210> 2668
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Val Phe

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Val Phe

<210> 2671
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Val Phe

<210> 2672
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2683
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2727
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Val Phe

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Val Phe

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1 5 10 15

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2737
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Val Phe

<210> 2738
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<220>
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<220>
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2739
<211> 34
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<220>
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<223> Pra

<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2740
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<220>
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<223> Pra

<220>
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<400> 2740
Asp Cys Leu Gly Val Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2741
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<220>
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<400> 2741
Asp Cys Leu Gly Leu Leu Arg Lys Cys Ile Glu Asp Xaa Asp Lys Cys
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2742
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Val Phe

<210> 2743
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<220>
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Val Phe

<210> 2744
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<220>
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Val Phe

<210> 2745
<211> 34
<212> PRT
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<220>
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1 5 10 15

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Val Phe

<210> 2746
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<212> PRT
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<220>
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<220>
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Val Phe

<210> 2747
<211> 34

<212> PRT
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<220>
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Val Phe

<210> 2748
<211> 34
<212> PRT
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr

20 25 30

Val Phe

<210> 2749
<211> 34
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<220>
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Val Phe

<210> 2750
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<220>
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Val Phe

<210> 2751
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<220>
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Val Phe

<210> 2752
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<400> 2752
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1 5 10 15

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Val Phe

<210> 2753
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Val Phe

<210> 2754
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Val Phe

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Val Phe

<210> 2756
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Val Phe

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<400> 2757
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Val Phe

<210> 2758
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Val Phe

<210> 2759
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Val Phe

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<220>
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Val Phe

<210> 2761
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<400> 2761
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

<210> 2762
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<212> PRT
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<220>
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Val Phe

<210> 2763
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<220>
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<400> 2763
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1 5 10 15

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20 25 30

Val Phe

<210> 2764
<211> 34
<212> PRT
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2765

<211> 34
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2766
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Val Phe

<210> 2767
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<220>
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20 25 30

Val Phe

<210> 2768
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Val Phe

<210> 2769
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<212> PRT

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20 25 30

Val Phe

<210> 2770
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20 25 30

Val Phe

<210> 2771
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<220>
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<220>
<223> C-term Amide

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20 25 30

Val Phe

<210> 2772
<211> 34
<212> PRT
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20 25 30

Val Phe

<210> 2773
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2774
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<212> PRT
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<220>
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20 25 30

Val Phe

<210> 2775
<211> 34
<212> PRT
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<220>
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<220>
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<400> 2775
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2776
<211> 34
<212> PRT
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<220>
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2777
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<212> PRT
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<220>
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polypeptide

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<220>
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Asp Cys Leu Gly Xaa Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2778
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<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<220>
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20 25 30

Val Phe

<210> 2779
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<400> 2779
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20 25 30

Val Phe

<210> 2780
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<212> PRT
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<220>
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<400> 2780
Asp Cys Leu Gly Val Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2781
<211> 34
<212> PRT
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<220>
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<400> 2781
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Cys Arg Pro Asn Leu Val Cys Ser Arg Leu His Gln Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2813
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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2820
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Val Phe

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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2822
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<400> 2822
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Val Phe

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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2828
<211> 34
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<220>
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20 25 30

Val Phe

<210> 2829
<211> 34
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2830
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2831
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Val Phe

<210> 2832
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<220>
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<400> 2832
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2833
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<220>
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<400> 2833
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2834
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2835
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2836
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<220>
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<223> 2-Abu

<220>
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<400> 2836
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 2837
<211> 34
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<220>
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<400> 2837
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2838
<211> 34
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<220>
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2839
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2840
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2841
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<220>
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<400> 2841
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2842
<211> 34
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Val Phe

<210> 2843
<211> 34
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Val Phe

<210> 2844
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Val Phe

<210> 2845
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2846
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Val Phe

<210> 2847
<211> 34
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Val Phe

<210> 2848
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20 25 30

Val Phe

<210> 2849
<211> 34
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Val Phe

<210> 2850
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<400> 2850
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2851
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2852
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20 25 30

Val Phe

<210> 2853
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Val Phe

<210> 2854
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<400> 2854
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20 25 30

Val Phe

<210> 2855
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20 25 30

Val Phe

<210> 2856
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2857
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2858
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20 25 30

Val Phe

<210> 2859
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2860
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2861
<211> 34
<212> PRT
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<400> 2861
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2862
<211> 34
<212> PRT
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2863
<211> 34
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1 5 10 15

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20 25 30

Val Phe

<210> 2864
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1 5 10 15

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20 25 30

Val Phe

<210> 2865
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Val Phe

<210> 2866
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Val Phe

<210> 2867
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<400> 2867
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1 5 10 15

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20 25 30

Val Phe

<210> 2868
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20 25 30

Val Phe

<210> 2869
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Val Phe

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<400> 2870
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20 25 30

Val Phe

<210> 2871
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Val Phe

<210> 2872
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20 25 30

Val Phe

<210> 2873
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20 25 30

Val Phe

<210> 2874
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polypeptide

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2905
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Val Phe

<210> 2906
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Val Phe

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Val Phe

<210> 2908
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Val Phe

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Val Phe

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Val Phe

<210> 2911

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<212> PRT
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Val Phe

<210> 2912
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<220>
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<400> 2912
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Val Phe

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<220>
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20 25 30

Val Phe

<210> 2914
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

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<400> 2916
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Val Phe

<210> 2917
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1 5 10 15

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Val Phe

<210> 2919
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Val Phe

<210> 2920
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2921
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2925
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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

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1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2928
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2947
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Val Phe

<210> 2948
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1 5 10 15

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Val Phe

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Val Phe

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Val Phe

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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 2952
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Val Phe

<210> 2953
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Val Phe

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Val Phe

<210> 2955
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Val Phe

<210> 2956
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Val Phe

<210> 2957
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Val Phe

<210> 2958
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20 25 30

Val Phe

<210> 2959
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<220>
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20 25 30

Val Phe

<210> 2960
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Val Phe

<210> 2961
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Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 2965
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2975
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Val Phe

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Val Phe

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Val Phe

<210> 2980
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Val Phe

<210> 2981
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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2986
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Val Phe

<210> 2987
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Val Phe

<210> 2988
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Val Phe

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Val Phe

<210> 2990
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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Val Phe

<210> 2995
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Val Phe

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Val Phe

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Val Phe

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Val Phe

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20 25 30

Val Phe

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Val Phe

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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 3003
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
            20   25   30

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Val Phe

<210> 3005
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Val Phe

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20 25 30

Val Phe

<210> 3007
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20 25 30

Val Phe

<210> 3008
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20 25 30

Val Phe

<210> 3009
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Val Phe

<210> 3010
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20 25 30

Val Phe

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Val Phe

<210> 3012
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Val Phe

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Val Phe

<210> 3015
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Val Phe

<210> 3016
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Val Phe

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Val Phe

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Val Phe

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<210> 3020
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3021
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3022
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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<400> 3024
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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<210> 3025
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<210> 3027
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Val Phe

<210> 3028

<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3029
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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<210> 3030
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3031
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3032
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3033
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Val Phe

<210> 3034
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3035
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Val Phe

<210> 3036
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3037
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3038
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<220>
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3039
<211> 34
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3040
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3041
<211> 34
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3042
<211> 34
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3043
<211> 34
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<220>
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<400> 3043
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3044
<211> 34
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<220>
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<220>
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<400> 3044
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1 5 10 15

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Val Phe

<210> 3045
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<400> 3045
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Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
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Val Phe

<210> 3046
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<400> 3046
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3047
<211> 34
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<400> 3047
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 3048
<211> 34
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<220>
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<220>
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<223> Pra

<220>
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<400> 3048
Asp Cys Leu Gly Ala Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
            20   25   30

Val Phe

<210> 3049
<211> 34
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<400> 3049
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1   5   10   15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3050
<211> 34
<212> PRT
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<400> 3050
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3051
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<400> 3051

Asp Cys Leu Gly Xaa Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3052
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<212> PRT
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<400> 3052
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3053
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<220>
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<400> 3053
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3054
<211> 34
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<220>
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<220>
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<223> Pra

<220>
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<400> 3054
Asp Cys Leu Gly Ile Leu Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3055
<211> 34
<212> PRT
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<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 3055
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3056
<211> 34
<212> PRT
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<220>
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<220>
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<223> Nle

<220>
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<223> Pra

<220>
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<400> 3056
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3057
<211> 34
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<220>
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<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 3057
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3058
<211> 34
<212> PRT
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<220>
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<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 3058
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3059
<211> 34
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<220>
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<220>
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<223> Nle

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<220>
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<220>
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<400> 3059
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3060
<211> 34
<212> PRT
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<220>
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<220>
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<222> (13)..(13)
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<220>
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<400> 3060
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3061
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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<220>
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<220>
<223> C-term Amide

<400> 3061
Asp Cys Leu Gly Leu Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3062
<211> 34
<212> PRT
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<220>
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polypeptide

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<223> Pra

<220>
<223> C-term Amide

<400> 3062
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Glu Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3063
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<400> 3063
Asp Cys Leu Gly Gly Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3064
<211> 34
<212> PRT
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 3064
Asp Cys Leu Gly Ala Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3065
<211> 34
<212> PRT
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<220>

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polypeptide

<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 3065
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3066
<211> 34
<212> PRT
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<220>
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polypeptide

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<400> 3066
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3067
<211> 34

<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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<400> 3067
Asp Cys Leu Gly Xaa Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3068
<211> 34
<212> PRT
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 3068
Asp Cys Leu Gly Val Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3069
<211> 34
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polypeptide

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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 3069
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3070
<211> 34
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polypeptide

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<222> (13)..(13)
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<220>
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<400> 3070
Asp Cys Leu Gly Ile Phe Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3071
<211> 34
<212> PRT
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<220>
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<222> (13)..(13)
<223> Pra

<220>
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<400> 3071
Asp Cys Leu Gly Gly Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3072
<211> 34
<212> PRT
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<220>
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 3072
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1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3073
<211> 34
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<223> C-term Amide

<400> 3073
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3074
<211> 34
<212> PRT
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<220>
<223> C-term Amide

<400> 3074
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3075
<211> 34
<212> PRT
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<220>
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<220>
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<400> 3075
Asp Cys Leu Gly Xaa Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3076
<211> 34
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<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 3076
Asp Cys Leu Gly Val Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3077
<211> 34
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<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 3077
Asp Cys Leu Gly Leu Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3078
<211> 34
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 3078
Asp Cys Leu Gly Ile Leu Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3079
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<223> Pra

<220>
<223> C-term Amide

<400> 3079
Asp Cys Leu Gly Gly Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3080
<211> 34
<212> PRT
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<220>
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<223> Pra

<220>
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<400> 3080
Asp Cys Leu Gly Ala Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3081
<211> 34
<212> PRT
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<220>
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<220>
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<400> 3081
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3082
<211> 34
<212> PRT
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<220>
<223> C-term Amide

<400> 3082
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3083
<211> 34
<212> PRT
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<220>
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<223> Nle

<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 3083
Asp Cys Leu Gly Xaa Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3084
<211> 34
<212> PRT
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<220>
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<220>
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<222> (13)..(13)
<223> Pra

<220>
<223> C-term Amide

<400> 3084
Asp Cys Leu Gly Val Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3085
<211> 34
<212> PRT
<213> Artificial Sequence

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<400> 3085
Asp Cys Leu Gly Leu Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3086
<211> 34
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<223> Pra

<220>
<223> C-term Amide

<400> 3086
Asp Cys Leu Gly Ile Xaa Arg Lys Cys Asp Pro Asp Xaa Asp Lys Cys
1 5 10 15

Cys Arg Pro Asn Leu Val Cys Ser Arg Glu His Lys Trp Cys Lys Tyr
20 25 30

Val Phe

<210> 3087
<211> 448
<212> PRT
<213> Artificial Sequence

<220>
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<400> 3087
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Tyr Asn Phe Asn Tyr Gly Met Asp Val Trp Gly Gln Gly Thr
100 105 110

Thr Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
115 120 125

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
130 135 140

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
145 150 155 160

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
165 170 175

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser

180 185 190

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
195 200 205

Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr
210 215 220

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
225 230 235 240

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
245 250 255

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
260 265 270

Cys Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
275 280 285

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
290 295 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305 310 315 320

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
325 330 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
340 345 350

Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys
355 360 365

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
370 375 380

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385 390 395 400

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
405 410 415

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
420 425 430

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
435 440 445

<210> 3088

<211> 214
<212> PRT
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<220>
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<400> 3088

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Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Val Ser Ala Ser Val Gly
1               5                  10                  15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Arg Arg
            20                  25                  30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ala Asn Ser Phe Pro Phe
                85                  90                  95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg Thr Val Ala Ala
            100                 105                 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
        115                 120                 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
    130                 135                 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
145                 150                 155                 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
                165                 170                 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
            180                 185                 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
        195                 200                 205

Phe Asn Arg Gly Glu Cys
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<210> 3089
<211> 227
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polypeptide

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1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Cys Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

<210> 3090

<211> 326
<212> PRT
<213> Homo sapiens

<400> 3090

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Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg
1               5                  10                  15

Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
            20                  25                  30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
        35                  40                  45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
    50                  55                  60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Asn Phe Gly Thr Gln Thr
65                  70                  75                  80

Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys
                85                  90                  95

Thr Val Glu Arg Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro
            100                 105                 110

Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
        115                 120                 125

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
    130                 135                 140

Val Ser His Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly
145                 150                 155                 160

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn
                165                 170                 175

Ser Thr Phe Arg Val Val Ser Val Leu Thr Val Val His Gln Asp Trp
            180                 185                 190

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro
        195                 200                 205

Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu
    210                 215                 220

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn
225                 230                 235                 240

Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
                245                 250                 255
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Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
260 265 270

Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
275 280 285

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
290 295 300

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
305 310 315 320

Ser Leu Ser Pro Gly Lys
325

<210> 3091
<211> 330
<212> PRT
<213> Homo sapiens

<400> 3091
Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1 5 10 15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu

165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
225 230 235 240

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 3092
<211> 330
<212> PRT
<213> Homo sapiens

<400> 3092
Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1 5 10 15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

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Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
                85                  90                  95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
            100                 105                 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
        115                 120                 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
    130                 135                 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145                 150                 155                 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
                165                 170                 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
            180                 185                 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
        195                 200                 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
    210                 215                 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225                 230                 235                 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
                245                 250                 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
            260                 265                 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
        275                 280                 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
    290                 295                 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305                 310                 315                 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                325                 330
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<210> 3093
<211> 330
<212> PRT

<213> Homo sapiens

<400> 3093

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Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1               5                  10                  15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
            20                  25                  30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
        35                  40                  45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
    50                  55                  60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65                  70                  75                  80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
                85                  90                  95

Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
            100                 105                 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
        115                 120                 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
    130                 135                 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145                 150                 155                 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
                165                 170                 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
            180                 185                 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
        195                 200                 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
    210                 215                 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
225                 230                 235                 240

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
                245                 250                 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
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260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 3094
<211> 330
<212> PRT
<213> Homo sapiens

<400> 3094
Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1 5 10 15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 3095
<211> 106
<212> PRT
<213> Homo sapiens

<400> 3095
Gly Gln Pro Lys Ala Asn Pro Thr Val Thr Leu Phe Pro Pro Ser Ser
1 5 10 15

Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp
20 25 30

Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Gly Ser Pro
35 40 45

Val Lys Ala Gly Val Glu Thr Thr Lys Pro Ser Lys Gln Ser Asn Asn
50 55 60

Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys
65 70 75 80

Ser His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val

85 90 95

Glu Lys Thr Val Ala Pro Thr Glu Cys Ser
100 105

<210> 3096
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<223> C-term Amide

<400> 3096
Gly Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser
1 5 10 15

Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp
20 25 30

Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro
35 40 45

Val Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn
50 55 60

Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys
65 70 75 80

Ser His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val
85 90 95

Glu Lys Thr Val Ala Pro Thr Glu Cys Ser
100 105

<210> 3097
<211> 106
<212> PRT
<213> Homo sapiens

<400> 3097
Gly Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser
1 5 10 15

Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp
20 25 30

Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro
35 40 45

Val Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn
50 55 60

Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys
65 70 75 80

Ser His Lys Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val
85 90 95

Glu Lys Thr Val Ala Pro Thr Glu Cys Ser
100 105

<210> 3098
<211> 106
<212> PRT
<213> Homo sapiens

<400> 3098
Gly Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser
1 5 10 15

Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Val Ser Asp
20 25 30

Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Gly Ser Pro
35 40 45

Val Lys Val Gly Val Glu Thr Thr Lys Pro Ser Lys Gln Ser Asn Asn
50 55 60

Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys
65 70 75 80

Ser His Arg Ser Tyr Ser Cys Arg Val Thr His Glu Gly Ser Thr Val
85 90 95

Glu Lys Thr Val Ala Pro Ala Glu Cys Ser
100 105