SEQUENCE LISTING

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<120> Peptide Compound

<130> PT38-9019WO

<150> JP 2017-072556

<151> 2017-3-31

<160> 569

<170> PatentIn version 3.5

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Ile His Gln Xaa Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

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<400> 30

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Gln His Gln Gln Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

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<400> 31

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Ile His Gln Gln Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

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

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

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

Ser Gly Ala Pro Pro Pro Ser Lys
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<400> 34

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

Gln Ala Gln Xaa Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Lys
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<400> 35

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Gln His Gln Xaa Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
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Tyr Xaa Glu Gly Thr Val Val Ser Leu Tyr Ser Ile Xaa Leu Asp Arg
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Gln Ala Gln Xaa Glu Phe Val Arg Trp Leu Leu Arg Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Lys
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Gln Ala Gln Xaa Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
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1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser Lys
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<210> 41
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Tyr Xaa Glu Gly Thr Val Val Ser Leu Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser Lys
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Ser Gly Ala Pro Pro Pro Ser Lys
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Gln Ala Gln Xaa Leu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Lys
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1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser Lys
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<210> 45
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Gln Ala Gln Xaa Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
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<210> 46
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<400> 46

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

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

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

Ser Gly Ala Pro Pro Pro Ser Lys
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<210> 48
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<400> 48

Tyr Xaa Glu Gly Thr Val Val Ser Leu Tyr Ser Ile Xaa Leu Asp Lys
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Gln Ala Gln Xaa Glu Phe Val Lys Trp Xaa Leu Lys Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 49
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<400> 49

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Tyr Xaa Glu Gly Thr Val Val Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
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Gln Ala Gln Xaa Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
            20                  25                  30

Ser Gly Ala Pro Pro Pro Ser Lys
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<210> 50
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Tyr Xaa Glu Gly Thr Val Val Ser Asp Tyr Ser Ile Xaa Leu Asp Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 51
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<400> 51

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

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

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 52
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Tyr Xaa Glu Gly Thr Val Val Ser Leu Tyr Ser Ile Xaa Leu Glu Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 53
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Tyr Xaa Glu Gly Thr Val Val Ser Leu Tyr Ser Ile Xaa Leu Glu Lys
1 5 10 15

Gln His Gln Xaa Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 54
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Tyr Xaa Glu Gly Thr Val Val Ser Leu Tyr Ser Ile Xaa Leu Glu Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 55
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Tyr Xaa Glu Gly Thr Val Val Ser Leu Tyr Ser Ile Xaa Leu Glu Lys
1 5 10 15

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

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 56
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Gln Ala Gln Xaa Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 57
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<400> 57

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

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

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 58
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Gln Ala Gln Xaa Glu Phe Val Lys Trp Leu Leu Lys Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
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<210> 59
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<400> 59

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Ile His Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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<210> 60
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<400> 60

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1 5 10 15

Gln Ala Gln Xaa Glu Phe Val Arg Trp Leu Leu Arg Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
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<210> 61
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<400> 61

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Gln Ala Gln Xaa Glu Phe Val Arg Trp Leu Leu Ala Gln Arg Pro Ser
            20                  25                  30

Ser Gly Ala Pro Pro Pro Ser Arg
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<400> 62

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Gln Ala Gln Xaa Glu Phe Val Arg Trp Leu Leu Ala Gln Arg Pro Ser
            20                  25                  30
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Ser Gly Ala Pro Pro Pro Ser
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<210> 63
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<400> 63

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

Gln Ala Gln Xaa Glu Phe Val Arg Trp Leu Leu Arg Gly Gly Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser Arg
        35   40

<210> 64
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<400> 64

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


Gln Ala Gln Ala Glu Phe Val Arg Trp Leu Leu Arg Gly Gly Pro Ser
            20                  25                  30


Ser Gly Ala Pro Pro Pro Ser Arg
        35                  40


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<400>  65

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


Ile Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
            20                  25                  30


Ser Gly Ala Pro Pro Pro Ser Arg
        35                  40


<210>  66
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<223>  Xaa stands for Aib

<400>  66

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

Ile Ala Gln Gln Ser Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 67
<211> 39
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<223> Xaa stands for Iva

<400> 67

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

Ile Ala Gln Gln Asp Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 68
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<400> 68

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

Ile Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 69
<211> 39
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<400> 69

Tyr Xaa Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Xaa Leu Asp Arg
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Ile Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 70
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<400> 70

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

Ile Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 71
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<400> 71

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

Ile Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 72
<211> 40
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<400> 72

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

Ile Ala Gln Gln Asp Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
            20                  25                  30

Ser Gly Ala Pro Pro Pro Ser Arg
        35                  40
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<210> 73
<211> 40
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<223> Xaa stands for Iva

<400> 73

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Tyr Xaa Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Leu Asp Arg
1               5                   10                  15
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Ile Ala Gln Gln Ser Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 74
<211> 40
<212> PRT
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<400> 74

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

Ile Ala Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 75
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<400> 75

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

Xaa Ala Gln Gln Asp Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 76
<211> 40
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<400> 76

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

Ile Ala Gln Gln Asp Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg

35 40

<210> 77
<211> 40
<212> PRT
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<400> 77

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

Ile Ala Gln Gln Ser Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 78
<211> 40
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<223> alpha-Methylation

<400> 78

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

Ile Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 79
<211> 40
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Tyr Xaa Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Leu Asp Arg
1 5 10 15

Xaa Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 80
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<400> 80

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

Ile Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 81
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<400> 81

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

Ile Ala Gln Gln Ser Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser Arg
        35   40

<210> 82
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<400> 82

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

Ile Ala Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser Arg
        35   40

<210> 83
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<400> 83

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

Xaa Ala Gln Gln Asp Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 84
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<400> 84

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

Ile Ala Gln Gln Asp Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 85
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<400> 85

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

Xaa Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 86
<211> 40
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<400> 86

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

Ile Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 87
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<400> 87

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

Xaa Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 88
<211> 40
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<400> 88

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

Xaa Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 89
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<400> 89

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

Ile Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 90
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<400> 90

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

Xaa Ala Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 91
<211> 40
<212> PRT
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<400> 91

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

Xaa Ala Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 92
<211> 40

<212> PRT
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<400> 92

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

Xaa Ala Gln Gln Asp Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 93
<211> 40
<212> PRT
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<220>
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20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
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Ile Ala Gln Gln Asp Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ile Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ile Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
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1 5 10 15

Ile Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ile Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Xaa Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
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Tyr Xaa Glu Gly Thr Xaa Ile Ser Asp Tyr Ser Ile Ala Leu Asp Arg
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Xaa Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
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Tyr Xaa Glu Gly Thr Xaa Ile Ser Asp Tyr Ser Ile Xaa Leu Asp Arg
1 5 10 15

Xaa Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
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1 5 10 15

Xaa Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
35 40

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Xaa Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
35 40

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Xaa Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
35 40

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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
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<223> Xaa stands for Aib

<220>
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<223> Xaa stands for Iva

<400> 146

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

Ile His Gln Gln Asp Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 147
<211> 40
<212> PRT
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<220>
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<223> N-terminal Methylation

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<223> Xaa stands for Aib

<220>
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<223> alpha-Methylation

<400> 147

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

Ile His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 148
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<223> Xaa stands for Aib

<400> 148

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

Ile His Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 149
<211> 40
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Tyr Xaa Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Leu Asp Arg
1 5 10 15

Xaa His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 150
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<223> Xaa stands for Aib

<220>
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<223> Xaa stands for D-Iva

<400> 150

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

Ile His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 151
<211> 40
<212> PRT
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<220>
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<223> Xaa stands for Aib

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<223> Xaa stands for Iva

<400> 151

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

Ile His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 152
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<223> Xaa stands for Iva

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<223> Xaa stands for Iva

<400> 152

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

Ile Ala Gln Xaa Ser Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 153
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Tyr Xaa Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Xaa Leu Asp Arg
1 5 10 15

Ile His Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 154
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<223> Xaa stands for Aib

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<223> Xaa stands for Aib

<400> 154

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

Xaa His Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 155
<211> 40
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<400> 155

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

Xaa His Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 156
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
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<400> 156

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

Xaa Ala Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 157
<211> 40
<212> PRT
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<400> 157

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

Ile Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser Arg
        35   40

<210> 158
<211> 40
<212> PRT
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<400> 158

Tyr Xaa Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Xaa Leu Asp Arg

1 5 10 15

Ile Ala Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 159
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<400> 159

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

Xaa Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 160
<211> 40
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<220>
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<400> 160

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

Xaa Ala Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 161
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
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<400> 161

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1 5 10 15

Ile Ala Gln Xaa Ser Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 162
<211> 40
<212> PRT
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<223> Xaa stands for Iva

<400> 162

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

Xaa His Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 163
<211> 40
<212> PRT
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<400> 163

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

Xaa His Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

<210> 164

<211> 14
<212> PRT
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<220>
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<223> Xaa stands for Iva

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<400> 164

Ser Xaa Xaa Xaa Xaa Leu Asn Lys Xaa Thr Arg Gln Arg Xaa
1 5 10

<210> 165
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<212> PRT
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<220>
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<223> Xaa stands for Ile, Lys, or Val

<220>
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<223> Xaa stands for Ser

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<223> Xaa stands for Asp, Leu, or Phe

<220>
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<223> Xaa stands for Tyr

<220>
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<222> (11)..(11)
<223> Xaa stands for Aib or Ser

<220>
<221> MISC_FEATURE
<222> (12)..(12)
<223> Xaa stands for Ile

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa stands for Aib, Ala, Gln, Leu, Tyr, or D-Iva

<220>
<221> MISC_FEATURE
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<223> Xaa stands for Asp, Glu, Lys, Ser, or Tyr

<220>
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<222> (18)..(18)
<223> Xaa stands for Ala or His

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<223> Xaa stands for Gln or Ser

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<223> Xaa stands for Aib, Ala, or Gln

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<222> (21)..(21)
<223> Xaa stands for Asn, Asp, Glu, Leu, or Ser

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<223> Xaa stands for Phe or alpha-MePhe

<220>
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<220>
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<223> Xaa stands for Arg, Asn, Asp, Lys, or Lys(Ac)

<220>
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<222> (25)..(25)
<223> Xaa stands for Trp

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<223> Xaa stands for Aib, Iva, or Leu

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<223> Xaa stands for Ala, Arg, Lys, or Lys(Ac)

<220>
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<220>
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<220>
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<223> Xaa stands for Ser or a deletion

<220>
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<223> Xaa stands for Gly or a deletion

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<220>
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<222> (36)..(36)
<223> Xaa stands for Pro or a deletion

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<222> (37)..(37)
<223> Xaa stands for Pro or a deletion

<220>
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<222> (38)..(38)
<223> Xaa stands for Pro or a deletion

<220>
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<222> (39)..(39)
<223> Xaa stands for Lys, Ser, or a deletion

<220>
<221> MISC_FEATURE
<222> (40)..(40)
<223> Xaa stands for Arg, Lys, or a deletion

<400> 165

Tyr Xaa Glu Gly Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1   5   10   15

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

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        35   40

<210> 166
<211> 40
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<220>
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<220>
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<220>
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<223> Xaa stands for Asp, Leu, or Phe

<220>
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<220>
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<220>
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<223> Xaa stands for Aib, Ala, Gln, Leu, Tyr, or D-Iva

<220>
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<220>
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<222> (16)..(16)
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Ser
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Ser Gly Ala Pro Pro Pro Xaa Xaa
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Ser Gly Ala Pro Pro Pro Xaa Xaa
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Xaa
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40

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represent Lys(R), and R represents a substituent group

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

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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Tyr Xaa Glu Gly Thr Val Val Ser Leu Tyr Ser Xaa Xaa Leu Asp Arg
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Gln Ala Gln Xaa Glu Phe Val Arg Trp Leu Leu Arg Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
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<400> 181

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Gln Ala Gln Xaa Glu Phe Val Xaa Trp Leu Leu Arg Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
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<400> 182

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Gln Ala Gln Xaa Glu Phe Val Xaa Trp Leu Leu Arg Gly Gly Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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20 25 30

Ser Gly Ala Pro Pro Pro Ser
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Ile His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ile His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser Arg
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20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
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20 25 30

Ser Gly Ala Pro Pro Pro Ser
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Ile Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
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Ile Ala Gln Gln Asp Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
            20   25   30

Ser Gly Ala Pro Pro Pro Ser Arg
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Ile Ala Gln Gln Asp Phe Val Asn Xaa Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

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Ile Ala Gln Gln Asp Xaa Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

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Ser Gly Ala Pro Pro Pro Ser Arg
35 40

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Ile Ala Gln Xaa Asn Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
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Xaa Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Arg
35 40

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Ile Ala Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser Arg
35 40

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Ser Gly Ala Pro Pro Pro Ser Arg
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Ser Gly Ala Pro Pro Pro Ser
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Ile Ala Gln Gln Asp Xaa Val Asn Trp Leu Leu Ala Gln Arg Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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            20   25   30

Ser Gly Ala Pro Pro Pro Ser
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Ser Gly Ala Pro Pro Pro Ser
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Xaa Xaa Gln Xaa Xaa Phe Val Xaa Trp Xaa Leu Xaa Xaa Xaa Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Xaa
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<223> Xaa stands for Lys(R), wherein R represents X-L-, -L- represents -GGGGG- or -GGGGGG- and X represents Heda, Hepda, Oda or Eda

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20 25 30

Ser Gly Ala Pro Pro Pro Ser Xaa
35 40

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

Xaa Xaa Gln Xaa Asn Phe Val Asn Trp Xaa Leu Ala Gln Arg Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Xaa
35 40