SEQUENCE LISTING

<110> Callahan, et al.

<120> Lyophilized Therapeutic Peptibody Formulations

<130> A-1122 (01017/41963)

<160> 1701

<170> PatentIn version 3.3

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Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
        35                  40                  45


Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
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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
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Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
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Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
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Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
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Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
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Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro

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Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
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Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
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Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
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Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
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Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
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Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
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Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
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Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
145                 150                 155                 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
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Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
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Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
        195                 200                 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
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Ser Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Gln Glu Glu Cys Glu
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225 230 235 240

Trp Asp Pro Trp Thr Cys Glu His Met Gly Ser Gly Ser Ala Thr Gly
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Tyr Ala Leu Pro Leu
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Gly Leu

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Tyr Ala Leu Pro Leu
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Tyr Ala Leu Pro Leu
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Tyr Ala Leu Pro Leu
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<400> 44

Xaa Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr
1 5 10

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<400> 45

Phe Glu Trp Thr Pro Ala Trp Tyr Gln Xaa Tyr
1 5 10

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<400> 46

Phe Glu Trp Thr Pro Xaa Trp Tyr Gln Xaa Tyr
1 5 10

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<400> 47

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Pro Tyr
1 5 10

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<400> 48

Phe Glu Trp Thr Pro Gly Trp Trp Gln Pro Tyr
1 5 10

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<400> 49

Phe Glu Trp Thr Pro Asn Tyr Trp Gln Pro Tyr
1 5 10

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<400> 50

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<400> 51

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1 5 10

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<400> 52

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<400> 53

Phe Glu Trp Thr Xaa Gly Tyr Trp Gln Xaa Tyr

1 5 10

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<400> 54

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu
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<400> 55

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<400> 57

Phe Glu Trp Val Pro Gly Tyr Tyr Gln Xaa Tyr
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<400> 60

Thr Lys Pro Arg
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<400> 61

Arg Lys Ser Ser Lys
1 5

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<400> 62

Arg Lys Gln Asp Lys
1 5

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Asn Arg Lys Gln Asp Lys
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<400> 64

Arg Lys Gln Asp Lys Arg
1 5

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<400> 65

Glu Asn Arg Lys Gln Asp Lys Arg Phe
1 5

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<400> 66

Val Thr Lys Phe Tyr Phe
1 5

<210> 67

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<400> 67

Val Thr Lys Phe Tyr
1 5

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<400> 68

Val Thr Asp Phe Tyr
1 5

<210> 69
<211> 11
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<400> 69

Ser His Leu Tyr Trp Gln Pro Tyr Ser Val Gln
1 5 10

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<400> 70

Thr Leu Val Tyr Trp Gln Pro Tyr Ser Leu Gln Thr
1 5 10

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<400> 71

Arg Gly Asp Tyr Trp Gln Pro Tyr Ser Val Gln Ser
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<400> 72

Val His Val Tyr Trp Gln Pro Tyr Ser Val Gln Thr
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<400> 73

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Val Gln Thr
1 5 10

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<400> 74

Ser Arg Val Trp Phe Gln Pro Tyr Ser Leu Gln Ser
1 5 10

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<400> 75

Asn Met Val Tyr Trp Gln Pro Tyr Ser Ile Gln Thr
1 5 10

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<400> 76

Ser Val Val Phe Trp Gln Pro Tyr Ser Val Gln Thr
1 5 10

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<400> 77

Thr Phe Val Tyr Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 78

Thr Leu Val Tyr Trp Gln Pro Tyr Ser Ile Gln Arg
1 5 10

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<400> 80

Ser Pro Val Phe Trp Gln Pro Tyr Ser Ile Gln Ile
1 5 10

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<400> 81

Trp Ile Glu Trp Trp Gln Pro Tyr Ser Val Gln Ser
1 5 10

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<400> 82

Ser Leu Ile Tyr Trp Gln Pro Tyr Ser Leu Gln Met
1 5 10

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<400> 83

Thr Arg Leu Tyr Trp Gln Pro Tyr Ser Val Gln Arg
1 5 10

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<400> 84

Arg Cys Asp Tyr Trp Gln Pro Tyr Ser Val Gln Thr
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<400> 85

Met Arg Val Phe Trp Gln Pro Tyr Ser Val Gln Asn
1 5 10

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<400> 86

Lys Ile Val Tyr Trp Gln Pro Tyr Ser Val Gln Thr
1 5 10

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<400> 87

Arg His Leu Tyr Trp Gln Pro Tyr Ser Val Gln Arg
1 5 10

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<400> 88

Ala Leu Val Trp Trp Gln Pro Tyr Ser Glu Gln Ile
1 5 10

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<400> 89

Ser Arg Val Trp Phe Gln Pro Tyr Ser Leu Gln Ser
1 5 10

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<400> 90

Trp Glu Gln Pro Tyr Ala Leu Pro Leu Glu
1 5 10

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<400> 91

Gln Leu Val Trp Trp Gln Pro Tyr Ser Val Gln Arg
1 5 10

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<400> 92

Asp Leu Arg Tyr Trp Gln Pro Tyr Ser Val Gln Val
1 5 10

<210> 93
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<400> 93

Glu Leu Val Trp Trp Gln Pro Tyr Ser Leu Gln Leu
1   5   10

<210> 94

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<400> 94

Asp Leu Val Trp Trp Gln Pro Tyr Ser Val Gln Trp
1   5   10

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<400> 95

Asn Gly Asn Tyr Trp Gln Pro Tyr Ser Phe Gln Val
1   5   10

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<400> 96

Glu Leu Val Tyr Trp Gln Pro Tyr Ser Ile Gln Arg

1 5 10

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<211> 12
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<400> 97

Glu Leu Met Tyr Trp Gln Pro Tyr Ser Val Gln Glu
1 5 10

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<400> 98

Asn Leu Leu Tyr Trp Gln Pro Tyr Ser Met Gln Asp
1 5 10

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<400> 99

Gly Tyr Glu Trp Tyr Gln Pro Tyr Ser Val Gln Arg
1 5 10

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<400> 100

Ser Arg Val Trp Tyr Gln Pro Tyr Ser Val Gln Arg
1   5   10

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<400> 101

Leu Ser Glu Gln Tyr Gln Pro Tyr Ser Val Gln Arg
1   5   10

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<400> 102

Gly Gly Gly Trp Trp Gln Pro Tyr Ser Val Gln Arg
1   5   10

<210> 103

<211> 12
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<400> 103

Val Gly Arg Trp Tyr Gln Pro Tyr Ser Val Gln Arg

1 5 10

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<400> 104

Val His Val Tyr Trp Gln Pro Tyr Ser Val Gln Arg
1 5 10

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<400> 105

Gln Ala Arg Trp Tyr Gln Pro Tyr Ser Val Gln Arg
1 5 10

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<400> 106

Val His Val Tyr Trp Gln Pro Tyr Ser Val Gln Thr
1 5 10

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<400> 107

Arg Ser Val Tyr Trp Gln Pro Tyr Ser Val Gln Arg
1   5   10

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<400> 108

Thr Arg Val Trp Phe Gln Pro Tyr Ser Val Gln Arg
1   5   10

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<400> 109

Gly Arg Ile Trp Phe Gln Pro Tyr Ser Val Gln Arg
1   5   10

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<400> 110

Gly Arg Val Trp Phe Gln Pro Tyr Ser Val Gln Arg
1   5   10

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Ala Arg Thr Trp Tyr Gln Pro Tyr Ser Val Gln Arg
1 5 10

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Ala Arg Val Trp Trp Gln Pro Tyr Ser Val Gln Met
1 5 10

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<400> 113

Arg Leu Met Phe Tyr Gln Pro Tyr Ser Val Gln Arg
1 5 10

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<400> 114

Glu Ser Met Trp Tyr Gln Pro Tyr Ser Val Gln Arg
1   5   10

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<400> 115

His Phe Gly Trp Trp Gln Pro Tyr Ser Val His Met
1   5   10

<210> 116
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<400> 116

Ala Arg Phe Trp Trp Gln Pro Tyr Ser Val Gln Arg
1   5   10

<210> 117
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<400> 117

Arg Leu Val Tyr Trp Gln Pro Tyr Ala Pro Ile Tyr
1   5   10

<210> 118
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<400> 118

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Tyr Gln Thr
1 5 10

<210> 119
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<400> 119

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Leu Pro Ile
1 5 10

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<400> 120

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Val Gln Ala
1 5 10

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<400> 121

Ser Arg Val Trp Tyr Gln Pro Tyr Ala Lys Gly Leu
1   5   10

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<400> 122

Ser Arg Val Trp Tyr Gln Pro Tyr Ala Gln Gly Leu
1   5   10

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Ser Arg Val Trp Tyr Gln Pro Tyr Ala Met Pro Leu
1   5   10

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<400> 124

Ser Arg Val Trp Tyr Gln Pro Tyr Ser Val Gln Ala
1   5   10

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<400> 125

Ser Arg Val Trp Tyr Gln Pro Tyr Ser Leu Gly Leu
1 5 10

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Ser Arg Val Trp Tyr Gln Pro Tyr Ala Arg Glu Leu
1 5 10

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<400> 127

Ser Arg Val Trp Tyr Gln Pro Tyr Ser Arg Gln Pro
1 5 10

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<400> 128

Ser Arg Val Trp Tyr Gln Pro Tyr Phe Val Gln Pro
1 5 10

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<400> 129

Glu Tyr Glu Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 130

Ile Pro Glu Tyr Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 131

Ser Arg Ile Trp Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 132

Asp Pro Leu Phe Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Ser Arg Gln Trp Val Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 134

Ile Arg Ser Trp Trp Gln Pro Tyr Ala Leu Pro Leu
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Arg Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu
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<400> 136

Arg Leu Leu Trp Val Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 137

Glu Tyr Arg Trp Phe Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 138

Asp Ala Tyr Trp Val Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 139

Trp Ser Gly Tyr Phe Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 140

Asn Ile Glu Phe Trp Gln Pro Tyr Ala Leu Pro Leu
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<400> 141

Thr Arg Asp Trp Val Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 142

Asp Ser Ser Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 143

Ile Gly Asn Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Asn Leu Arg Trp Asp Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Leu Pro Glu Phe Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Asp Ser Tyr Trp Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Arg Ser Gln Tyr Tyr Gln Pro Tyr Ala Leu Pro Leu
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Ala Arg Phe Trp Leu Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Asn Ser Tyr Phe Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Arg Phe Met Tyr Trp Gln Pro Tyr Ser Val Gln Arg
1 5 10

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Ala His Leu Phe Trp Gln Pro Tyr Ser Val Gln Arg
1 5 10

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<400> 152

Trp Trp Gln Pro Tyr Ala Leu Pro Leu
1 5

<210> 153
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<220>
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<400> 153

Tyr Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5

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Tyr Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
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<400> 156

Arg Trp Trp Gln Pro Tyr Ala Thr Pro Leu
1 5 10

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<400> 157

Gly Trp Tyr Gln Pro Tyr Ala Leu Gly Phe
1 5 10

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Tyr Trp Tyr Gln Pro Tyr Ala Leu Gly Leu
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<400> 159

Ile Trp Tyr Gln Pro Tyr Ala Met Pro Leu
1 5 10

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<400> 160

Ser Asn Met Gln Pro Tyr Gln Arg Leu Ser
1 5 10

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<400> 161

Thr Phe Val Tyr Trp Gln Pro Tyr Ala Val Gly Leu Pro Ala Ala Glu
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Thr Ala Cys Asn
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<400> 162

Thr Phe Val Tyr Trp Gln Pro Tyr Ser Val Gln Met Thr Ile Thr Gly
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Lys Val Thr Met
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Gly Phe Pro Leu
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<400> 164

Thr Phe Val Tyr Trp Gln Pro Tyr Tyr Gly Asn Pro Gln Trp Ala Ile
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His Val Arg His
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<400> 165

Thr Phe Val Tyr Trp Gln Pro Tyr Val Leu Leu Glu Leu Pro Glu Gly
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Ala Val Arg Ala
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<400> 166

Thr Phe Val Tyr Trp Gln Pro Tyr Val Asp Tyr Val Trp Pro Ile Pro
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Ile Ala Gln Val
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<400> 167

Gly Trp Tyr Gln Pro Tyr Val Asp Gly Trp Arg
1 5 10

<210> 168

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<400> 168

Arg Trp Glu Gln Pro Tyr Val Lys Asp Gly Trp Ser
1 5 10

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<400> 169

Glu Trp Tyr Gln Pro Tyr Ala Leu Gly Trp Ala Arg
1 5 10

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Gly Trp Trp Gln Pro Tyr Ala Arg Gly Leu
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Leu Phe Glu Gln Pro Tyr Ala Lys Ala Leu Gly Leu
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Gly Trp Glu Gln Pro Tyr Ala Arg Gly Leu Ala Gly
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<400> 173

Ala Trp Val Gln Pro Tyr Ala Thr Pro Leu Asp Glu
1 5 10

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Met Trp Tyr Gln Pro Tyr Ser Ser Gln Pro Ala Glu
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<400> 175

Gly Trp Thr Gln Pro Tyr Ser Gln Gln Gly Glu Val
1 5 10

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<400> 176

Asp Trp Phe Gln Pro Tyr Ser Ile Gln Ser Asp Glu
1 5 10

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<400> 177

Pro Trp Ile Gln Pro Tyr Ala Arg Gly Phe Gly
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<400> 178

Arg Pro Leu Tyr Trp Gln Pro Tyr Ser Val Gln Val
1 5 10

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Thr Leu Ile Tyr Trp Gln Pro Tyr Ser Val Gln Ile
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<400> 180

Arg Phe Asp Tyr Trp Gln Pro Tyr Ser Asp Gln Thr
1 5 10

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<400> 181

Trp His Gln Phe Val Gln Pro Tyr Ala Leu Pro Leu
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Glu Trp Asp Ser Val Tyr Trp Gln Pro Tyr Ser Val Gln Thr Leu Leu
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Arg

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<400> 183

Trp Glu Gln Asn Val Tyr Trp Gln Pro Tyr Ser Val Gln Ser Phe Ala
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Asp

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Ser Asp Val Val Tyr Trp Gln Pro Tyr Ser Val Gln Ser Leu Glu Met
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Tyr Tyr Asp Gly Val Tyr Trp Gln Pro Tyr Ser Val Gln Val Met Pro
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Ala

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Ser Asp Ile Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
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Gln Arg Ile Trp Trp Gln Pro Tyr Ala Leu Pro Leu
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Ser Arg Ile Trp Trp Gln Pro Tyr Ala Leu Pro Leu
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Arg Ser Leu Tyr Trp Gln Pro Tyr Ala Leu Pro Leu

1 5 10

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Thr Ile Ile Trp Glu Gln Pro Tyr Ala Leu Pro Leu
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Trp Glu Thr Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Ser Tyr Asp Trp Glu Gln Pro Tyr Ala Leu Pro Leu
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Ser Arg Ile Trp Cys Gln Pro Tyr Ala Leu Pro Leu
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Glu Ile Met Phe Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Asp Tyr Val Trp Gln Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Met Asp Leu Leu Val Gln Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
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Gly Ser Lys Val Ile Leu Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
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<400> 198

Arg Gln Gly Ala Asn Ile Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

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<400> 199

Gly Gly Gly Asp Glu Pro Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

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<400> 200

Ser Gln Leu Glu Arg Thr Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

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<400> 201

Glu Thr Trp Val Arg Glu Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

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<400> 202

Lys Lys Gly Ser Thr Gln Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

<210> 203
<211> 15
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<223> Synthetic peptide

<400> 203

Leu Gln Ala Arg Met Asn Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

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<400> 204

Glu Pro Arg Ser Gln Lys Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

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Val Lys Gln Lys Trp Arg Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

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<400> 206

Leu Arg Arg His Asp Val Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
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Arg Ser Thr Ala Ser Ile Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

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Glu Ser Lys Glu Asp Gln Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

<210> 209
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Glu Gly Leu Thr Met Lys Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

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Glu Gly Ser Arg Glu Gly Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
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Val Ile Glu Trp Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Val Trp Tyr Trp Glu Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 213

Ala Ser Glu Trp Trp Gln Pro Tyr Ala Leu Pro Leu
1   5   10

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Phe Tyr Glu Trp Trp Gln Pro Tyr Ala Leu Pro Leu
1   5   10

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Glu Gly Trp Trp Val Gln Pro Tyr Ala Leu Pro Leu
1   5   10

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<400> 216

Trp Gly Glu Trp Leu Gln Pro Tyr Ala Leu Pro Leu
1   5   10

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Asp Tyr Val Trp Glu Gln Pro Tyr Ala Leu Pro Leu
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Phe Ile Glu Trp Phe Gln Pro Tyr Ala Leu Pro Leu
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Trp Leu Ala Trp Glu Gln Pro Tyr Ala Leu Pro Leu
1   5   10

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<400> 221

Val Met Glu Trp Trp Gln Pro Tyr Ala Leu Pro Leu
1   5   10

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<400> 222

Glu Arg Met Trp Gln Pro Tyr Ala Leu Pro Leu
1   5   10

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<400> 223

Asn Xaa Xaa Trp Xaa Xaa Pro Tyr Ala Leu Pro Leu
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<400> 224

Trp Gly Asn Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10

<210> 225
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<400> 225

Thr Leu Tyr Trp Glu Gln Pro Tyr Ala Leu Pro Leu
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<210> 226
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<400> 226

Val Trp Arg Trp Glu Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 227

Leu Leu Trp Thr Gln Pro Tyr Ala Leu Pro Leu
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Ser Arg Ile Trp Xaa Xaa Pro Tyr Ala Leu Pro Leu
1 5 10

<210> 229
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<223> Synthetic peptide

<400> 229

Ser Asp Ile Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Trp Gly Tyr Tyr Xaa Xaa Pro Tyr Ala Leu Pro Leu
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<400> 231

Thr Ser Gly Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<223> Xaa can be any naturally occurring amino acid

<400> 232

Val His Pro Tyr Xaa Xaa Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 233

Glu His Ser Tyr Phe Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Xaa Xaa Ile Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
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<400> 235

Ala Gln Leu His Ser Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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Trp Ala Asn Trp Phe Gln Pro Tyr Ala Leu Pro Leu
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Ser Arg Leu Tyr Ser Gln Pro Tyr Ala Leu Pro Leu
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Gly Val Thr Phe Ser Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 239

Ser Ile Val Trp Ser Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 240

Ser Arg Asp Leu Val Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<220>
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<400> 241

His Trp Gly His Val Tyr Trp Gln Pro Tyr Ser Val Gln Asp Asp Leu
1 5 10 15

Gly

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<400> 242

Ser Trp His Ser Val Tyr Trp Gln Pro Tyr Ser Val Gln Ser Val Pro
1   5   10   15

Glu

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<220>
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<400> 243

Trp Arg Asp Ser Val Tyr Trp Gln Pro Tyr Ser Val Gln Pro Glu Ser
1   5   10   15

Ala

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<220>
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<400> 244

Thr Trp Asp Ala Val Tyr Trp Gln Pro Tyr Ser Val Gln Lys Trp Leu
1   5   10   15

Asp

<210> 245

<211> 17
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<220>
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<400> 245

Thr Pro Pro Trp Val Tyr Trp Gln Pro Tyr Ser Val Gln Ser Leu Asp
1 5 10 15

Pro

<210> 246
<211> 17
<212> PRT
<213> Artificial sequence

<220>
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<400> 246

Tyr Trp Ser Ser Val Tyr Trp Gln Pro Tyr Ser Val Gln Ser Val His
1 5 10 15

Ser

<210> 247
<211> 10
<212> PRT
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<220>
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<400> 247

Tyr Trp Tyr Gln Pro Tyr Ala Leu Gly Leu
1 5 10

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<220>
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<400> 248

Tyr Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10

<210> 249
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<400> 249

Glu Trp Ile Gln Pro Tyr Ala Thr Gly Leu
1 5 10

<210> 250
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<400> 250

Asn Trp Glu Gln Pro Tyr Ala Lys Pro Leu
1 5 10

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<400> 251

Ala Phe Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 252

Phe Leu Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10

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<400> 253

Val Cys Lys Gln Pro Tyr Leu Glu Trp Cys
1 5 10

<210> 254
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<400> 254

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

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Gln Gly Trp Leu Thr Trp Gln Asp Ser Val Asp Met Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

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<400> 256

Phe Ser Glu Ala Gly Tyr Thr Trp Pro Glu Asn Thr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 257
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Thr Glu Ser Pro Gly Gly Leu Asp Trp Ala Lys Ile Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
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<210> 258
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Asp Gly Tyr Asp Arg Trp Arg Gln Ser Gly Glu Arg Tyr Trp Gln Pro
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Tyr Ala Leu Pro Leu
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<210> 259
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Tyr Ala Leu Pro Leu
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<210> 260
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<400> 260

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1   5   10   15

Tyr Ala Leu Pro Leu
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<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 261

Met Asn Asp Gln Thr Ser Glu Val Ser Thr Phe Pro Tyr Trp Gln Pro
1   5   10   15

Tyr Ala Leu Pro Leu
            20

<210> 262
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 262

Ser Trp Ser Glu Ala Phe Glu Gln Pro Arg Asn Leu Tyr Trp Gln Pro
1   5   10   15

Tyr Ala Leu Pro Leu
            20

<210> 263

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

<220>
<223> Synthetic peptide

<400> 263

Gln Tyr Ala Glu Pro Ser Ala Leu Asn Asp Trp Gly Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 264
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 264

Asn Gly Asp Trp Ala Thr Ala Asp Trp Ser Asn Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 265
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 265

Thr His Asp Glu His Ile Tyr Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

<210> 266

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

<220>
<223> Synthetic peptide

<400> 266

Met Leu Glu Lys Thr Tyr Thr Thr Trp Thr Pro Gly Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 267
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 267

Trp Ser Asp Pro Leu Thr Arg Asp Ala Asp Leu Tyr Trp Gln Pro Tyr
1 5 10 15

Ala Leu Pro Leu
20

<210> 268
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 268

Ser Asp Ala Phe Thr Thr Gln Asp Ser Gln Ala Met Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 269
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 269

Gly Asp Asp Ala Ala Trp Arg Thr Asp Ser Leu Thr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 270
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 270

Ala Ile Ile Arg Gln Leu Tyr Arg Trp Ser Glu Met Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 271
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 271

Glu Asn Thr Tyr Ser Pro Asn Trp Ala Asp Ser Met Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 272
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 272

Met Asn Asp Gln Thr Ser Glu Val Ser Thr Phe Pro Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 273
<211> 21
<212> PRT
<213> Artificial sequence

<220>
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<400> 273

Ser Val Gly Glu Asp His Asn Phe Trp Thr Ser Glu Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 274
<211> 21
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 274

Gln Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 275

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

<220>
<223> Synthetic peptide

<400> 275

Glu Asn Pro Phe Thr Trp Gln Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 276
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 276

Val Thr Pro Phe Thr Trp Glu Asp Ser Asn Val Phe Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 277

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

<220>
<223> Synthetic peptide

<400> 277

Gln Ile Pro Phe Thr Trp Glu Gln Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 278
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 278

Gln Ala Pro Leu Thr Trp Gln Glu Ser Ala Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 279
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 279

Glu Pro Thr Phe Thr Trp Glu Glu Ser Lys Ala Thr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 280
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 280

Thr Thr Thr Leu Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 281
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 281

Glu Ser Pro Leu Thr Trp Glu Glu Ser Ser Ala Leu Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 282

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

<220>
<223> Synthetic peptide

<400> 282

Glu Thr Pro Leu Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 283
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 283

Glu Ala Thr Phe Thr Trp Ala Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 284
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 284

Glu Ala Leu Phe Thr Trp Lys Glu Ser Thr Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 285
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 285

Ser Thr Pro Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro Tyr
1   5   10   15

Ala Leu Pro Leu
            20

<210> 286
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 286

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1   5   10   15

Tyr Ala Leu Pro Leu
            20

<210> 287
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 287

Lys Ala Pro Phe Thr Trp Glu Glu Ser Gln Ala Tyr Tyr Trp Gln Pro
1   5   10   15

Tyr Ala Leu Pro Leu
            20

<210> 288
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 288

Ser Thr Ser Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 289

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

<220>
<223> Synthetic peptide

<400> 289

Asp Ser Thr Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 290
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 290

Tyr Ile Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
            20

<210> 291
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 291

Gln Thr Ala Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1   5   10   15

Tyr Ala Leu Pro Leu
            20

<210> 292
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 292

Glu Thr Leu Phe Thr Trp Glu Glu Ser Asn Ala Thr Tyr Trp Gln Pro
1   5   10   15

Tyr Ala Leu Pro Leu
            20

<210> 293
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 293

Val Ser Ser Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 294
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 294

Gln Pro Tyr Ala Leu Pro Leu
1 5

<210> 295
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=Unsure

<220>
<221> misc_feature
<222> (2)..(2)
<223> Xaa=1naphthylalanine

<220>
<221> misc_feature
<222> (6)..(6)
<223> Xaa=Azetidine

<400> 295

Xaa Xaa Pro Tyr Gln Xaa Tyr Ala Leu Pro Leu
1 5 10

<210> 296
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 296

Thr Ala Asn Val Ser Ser Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 297
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 297

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

<210> 298
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 298

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr Ala Leu Pro Leu
1 5 10 15

<210> 299
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 299

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr Ala Leu Pro Leu
1 5 10 15

<210> 300
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 300

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 301
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa can be any naturally occurring amino acid

<400> 301

Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Xaa Tyr Ala Leu
1   5   10   15

Pro Leu

<210> 302
<211> 16
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 302

Ala Asp Val Leu Tyr Trp Gln Pro Tyr Ala Pro Val Thr Leu Trp Val
1   5   10   15

<210> 303
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 303

Gly Asp Val Ala Glu Tyr Trp Gln Pro Tyr Ala Leu Pro Leu Thr Ser
1   5   10   15

Leu

<210> 304
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 304

Ser Trp Thr Asp Tyr Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Ile Ser
1 5 10 15

Gly Leu

<210> 305
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 305

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

<210> 306
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 306

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr Ala Leu Pro Leu
1 5 10 15

<210> 307
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 307

Phe Glu Trp Thr Pro Gly Trp Tyr Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

<210> 308
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa can be any naturally occurring amino acid

<400> 308

Phe Glu Trp Thr Pro Gly Trp Tyr Gln Xaa Tyr Ala Leu Pro Leu
1 5 10 15

<210> 309
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 309

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Pro Tyr Ala Leu Pro Leu

1 5 10 15

<210> 310
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 310

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr Ala Leu Pro Leu
1 5 10 15

<210> 311
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 311

Thr Ala Asn Val Ser Ser Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 312
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 312

Ser Trp Thr Asp Tyr Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Ile Ser
1 5 10 15

Gly Leu

<210> 313
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 313

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 314
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 314

Glu Asn Thr Tyr Ser Pro Asn Trp Ala Asp Ser Met Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 315
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 315

Ser Val Gly Glu Asp His Asn Phe Trp Thr Ser Glu Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 316
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 316

Asp Gly Tyr Asp Arg Trp Arg Gln Ser Gly Glu Arg Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 317
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 317

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu
1 5 10 15

<210> 318
<211> 11
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 318

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr
1 5 10

<210> 319
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 319

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 320
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 320

Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr
1 5 10

<210> 321
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 321

Phe Glu Trp Thr Pro Gly Trp Tyr Gln Xaa Tyr
1   5   10

<210> 322
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 322

Ala Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr
1   5   10

<210> 323
<211> 11
<212> PRT
<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 323

Phe Ala Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 324
<211> 11
<212> PRT

<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 324

Phe Glu Ala Thr Pro Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 325
<211> 11
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<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 325

Phe Glu Trp Ala Pro Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 326
<211> 11
<212> PRT

<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 326

Phe Glu Trp Thr Ala Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 327
<211> 11
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 327

Phe Glu Trp Thr Pro Ala Tyr Trp Gln Xaa Tyr
1 5 10

<210> 328
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

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

<223> Xaa=Azetidine

<400> 328

Phe Glu Trp Thr Pro Gly Ala Trp Gln Xaa Tyr
1   5   10

<210> 329
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 329

Phe Glu Trp Thr Pro Gly Tyr Ala Gln Xaa Tyr
1   5   10

<210> 330
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 330

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Ala
1   5   10

<210> 331

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

<220>
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<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 331

Phe Glu Trp Thr Gly Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 332
<211> 11
<212> PRT
<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 332

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 333
<211> 11
<212> PRT
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<220>
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<220>
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<222> (5)..(5)

<223> Xaa=Azetidine

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 333

Phe Glu Trp Thr Xaa Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 334
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa=Pipecolic acid

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 334

Phe Glu Trp Thr Xaa Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 335
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>

<221> misc_feature
<222> (6)..(6)
<223> Xaa=Aminoisobutyric acid

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 335

Phe Glu Trp Thr Pro Xaa Tyr Trp Gln Xaa Tyr
1 5 10

<210> 336
<211> 11
<212> PRT
<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (6)..(6)
<223> Xaa=Sarcosine

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 336

Phe Glu Trp Thr Pro Xaa Trp Tyr Gln Xaa Tyr
1 5 10

<210> 337
<211> 11
<212> PRT
<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa=Sarcosine

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 337

Phe Glu Trp Thr Xaa Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 338
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 338

Phe Glu Trp Thr Pro Asn Tyr Trp Gln Xaa Tyr
1 5 10

<210> 339
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 339

Phe Glu Trp Thr Pro Val Tyr Trp Gln Xaa Tyr
1 5 10

<210> 340
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 340

Phe Glu Trp Thr Val Pro Tyr Trp Gln Xaa Tyr
1 5 10

<210> 341
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> acetylated phenylalanine

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

<223> Xaa=Azetidine

<220>
<221> misc_feature
<222> (11)..(11)
<223> Xaa can be any naturally occurring amino acid

<400> 341

Xaa Phe Glu Trp Thr Pro Gly Trp Tyr Gln Xaa Tyr
1 5 10

<210> 342
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=acetylated phenylalanine

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<220>
<221> misc_feature
<222> (11)..(11)
<223> Xaa can be any naturally occurring amino acid

<400> 342

Xaa Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr
1 5 10

<210> 343
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=1naphthylalanine

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa=Azetidine

<400> 343

Xaa Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr
1 5 10

<210> 344
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

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<400> 344

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1 5 10

<210> 345
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<220>
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<222> (10)..(10)
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<400> 345

Phe Glu Trp Val Pro Gly Tyr Tyr Gln Xaa Tyr
1 5 10

<210> 346
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<220>
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<400> 346

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr
1 5 10

<210> 347
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<223> Xaa=Unsure

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<222> (9)..(9)
<223> Xaa=Azetidine

<400> 347

Phe Glu Trp Thr Xaa Tyr Tyr Gln Xaa Tyr
1 5 10

<210> 348
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<220>
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<400> 348

Phe Glu Trp Thr Xaa Tyr Tyr Gln Xaa Tyr
1 5 10

<210> 349
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<400> 349

Ser His Leu Tyr Xaa Gln Pro Tyr Ser Val Gln Met
1 5 10

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<400> 350

Thr Leu Val Tyr Xaa Gln Pro Tyr Ser Leu Gln Thr
1 5 10

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<220>
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<400> 351

Arg Gly Asp Tyr Xaa Gln Pro Tyr Ser Val Gln Ser
1 5 10

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<400> 352

Asn Met Val Tyr Xaa Gln Pro Tyr Ser Ile Gln Thr

1 5 10

<210> 353
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<400> 353

Val Tyr Trp Gln Pro Tyr Ser Val Gln
1 5

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<400> 354

Val Tyr Xaa Gln Pro Tyr Ser Val Gln
1 5

<210> 355
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<400> 355

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1 5 10

<210> 356
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<400> 356

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Xaa
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<223> Xaa=pbenzoylLphenylalanine

<400> 357

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Xaa
1   5   10

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<400> 358

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1   5   10

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<220>
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<223> Xaa=Azetidine

<400> 359

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<210> 360
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<400> 360

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1 5 10

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<400> 361

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<220>
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<400> 362

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<400> 363

Xaa Phe Glu Xaa Thr Pro Gly Tyr Tyr Gln Xaa Tyr
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<223> Xaa=Azetidine

<400> 364

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<220>
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<400> 365

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1 5 10

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<220>
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<400> 366

Val Tyr Trp Gln Pro Tyr Ser Val Gln
1 5

<210> 367
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<400> 367

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Val Gln Arg
1   5   10

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<400> 368

Arg Leu Val Tyr Xaa Gln Pro Tyr Ser Val Gln Arg
1   5   10

<210> 369
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<220>
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<400> 369

Arg Leu Asp Tyr Trp Gln Pro Tyr Ser Val Gln Arg
1   5   10

<210> 370
<211> 12
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<220>
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<400> 370

Arg Leu Val Trp Phe Gln Pro Tyr Ser Val Gln Arg
1 5 10

<210> 371
<211> 12
<212> PRT
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<220>
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<400> 371

Arg Leu Val Tyr Trp Gln Pro Tyr Ser Ile Gln Arg
1 5 10

<210> 372
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<220>
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<400> 372

Asp Asn Ser Ser Trp Tyr Asp Ser Phe Leu Leu
1 5 10

<210> 373
<211> 11
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<220>
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<400> 373

Asp Asn Thr Ala Trp Tyr Glu Ser Phe Leu Ala
1 5 10

<210> 374

<211> 11
<212> PRT
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<220>
<223> Synthetic peptide

<400> 374

Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu
1 5 10

<210> 375
<211> 17
<212> PRT
<213> Artificial sequence

<220>
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<400> 375

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

Cys

<210> 376
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<212> PRT
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<220>
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<400> 376

Thr Ser Glu Tyr Asp Asn Thr Thr Trp Tyr Glu Lys Phe Leu Ala Ser
1 5 10 15

Gln

<210> 377

<211> 17
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<220>
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<400> 377

Ser Gln Ile Pro Asp Asn Thr Ala Trp Tyr Gln Ser Phe Leu Leu His
1 5 10 15

Gly

<210> 378
<211> 17
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<220>
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<400> 378

Ser Pro Phe Ile Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Thr
1 5 10 15

Tyr

<210> 379
<211> 17
<212> PRT
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<220>
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<400> 379

Glu Gln Ile Tyr Asp Asn Thr Ala Trp Tyr Asp His Phe Leu Leu Ser
1 5 10 15

Tyr

<210> 380
<211> 17
<212> PRT
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<220>
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<400> 380

Thr Pro Phe Ile Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Thr
1 5 10 15

Tyr

<210> 381
<211> 17
<212> PRT
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<220>
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<400> 381

Thr Tyr Thr Tyr Asp Asn Thr Ala Trp Tyr Glu Arg Phe Leu Met Ser
1 5 10 15

Tyr

<210> 382
<211> 17
<212> PRT
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<220>
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<400> 382

Thr Met Thr Gln Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Ser

1 5 10 15

Tyr

<210> 383
<211> 17
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<220>
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<400> 383

Thr Ile Asp Asn Thr Ala Trp Tyr Ala Asn Leu Val Gln Thr Tyr Pro
1 5 10 15

Gln

<210> 384
<211> 17
<212> PRT
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<220>
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<400> 384

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

Asp

<210> 385
<211> 17
<212> PRT
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<220>

<223> Synthetic peptide

<400> 385

His Ile Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Thr Tyr Thr
1 5 10 15

Pro

<210> 386
<211> 17
<212> PRT
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<220>
<223> Synthetic peptide

<400> 386

Ser Gln Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Ser Tyr Lys
1 5 10 15

Ala

<210> 387
<211> 17
<212> PRT
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<220>
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<400> 387

Gln Ile Asp Asn Thr Ala Trp Tyr Glu Arg Phe Leu Leu Gln Tyr Asn
1 5 10 15

Ala

<210> 388
<211> 17

<212> PRT
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<220>
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<400> 388

Asn Gln Asp Asn Thr Ala Trp Tyr Glu Ser Phe Leu Leu Gln Tyr Asn
1 5 10 15

Thr

<210> 389
<211> 17
<212> PRT
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<220>
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<400> 389

Thr Ile Asp Asn Thr Ala Trp Tyr Glu Asn Phe Leu Leu Asn His Asn
1 5 10 15

Leu

<210> 390
<211> 17
<212> PRT
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<220>
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<400> 390

His Tyr Asp Asn Thr Ala Trp Tyr Glu Arg Phe Leu Gln Gln Gly Trp
1 5 10 15

His

<210> 391
<211> 21
<212> PRT
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<220>
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<400> 391

Glu Thr Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 392
<211> 21
<212> PRT
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<220>
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<400> 392

Tyr Ile Pro Phe Thr Trp Glu Glu Ser Asn Ala Tyr Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
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<210> 393
<211> 21
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<220>
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<400> 393

Asp Gly Tyr Asp Arg Trp Arg Gln Ser Gly Glu Arg Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
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<210> 394
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<223> Xaa=1naphthylalanine

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<223> Xaa=Phosphotyrosine

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<222> (5)..(5)
<223> Xaa=Azetidine

<400> 394

Xaa Xaa Xaa Gln Xaa Tyr Ala Leu Pro Leu
1 5 10

<210> 395
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<220>
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<400> 395

Thr Ala Asn Val Ser Ser Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
20

<210> 396
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<400> 396

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr Ala Leu Pro Leu
1 5 10 15

<210> 397
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<400> 397

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro Tyr Ala Leu Pro Leu Ser
1 5 10 15

Asp

<210> 398
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<220>
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<400> 398

Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr Ala Leu Pro Leu
1 5 10 15

<210> 399
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<400> 399

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<220>
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<400> 400

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1 5 10

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<400> 401

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<400> 402

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1 5 10

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<400> 404

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<400> 405

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<210> 406
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<400> 406

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<210> 407
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<400> 407

Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa Tyr Ala Leu Pro Leu
1 5 10 15

<210> 408
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<400> 408

Phe Glu Trp Thr Pro Gly Trp Tyr Gln Xaa Tyr Ala Leu Pro Leu
1 5 10 15

<210> 409
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<212> PRT
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<220>
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<400> 409

Thr Ala Asn Val Ser Ser Phe Glu Trp Thr Pro Gly Tyr Trp Gln Pro
1 5 10 15

Tyr Ala Leu Pro Leu
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<210> 410
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<400> 411

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<222> (11)..(11)
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<400> 412

Xaa Phe Glu Trp Thr Pro Gly Tyr Tyr Gln Xaa Tyr
1 5 10

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<400> 413

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1 5 10

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1 5 10

<210> 416
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<223> Xaa can be any naturally occurring amino acid

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<222> (13)..(13)
<223> Xaa can be any naturally occurring amino acid

<400> 416

Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Pro
1 5 10

<210> 417
<211> 14
<212> PRT
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<220>
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<220>
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<223> Xaa can be any naturally occurring amino acid

<220>
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<223> Xaa can be any naturally occurring amino acid

<220>
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<222> (13)..(13)
<223> Xaa can be any naturally occurring amino acid

<400> 417

Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Pro
1 5 10

<210> 418
<211> 14
<212> PRT
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<220>
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<223> Xaa can be any naturally occurring amino acid

<220>
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<222> (13)..(13)
<223> Xaa can be any naturally occurring amino acid

<400> 418

Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Pro
1 5 10

<210> 419
<211> 14
<212> PRT
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<220>
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<220>
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<220>
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<222> (4)..(5)
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<220>
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<220>
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<223> Xaa can be any naturally occurring amino acid

<220>
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<222> (13)..(13)
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<400> 419

Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Pro
1 5 10

<210> 420
<211> 20

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 420

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10 15

Pro Gln Gly Gly
20

<210> 421
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 421

Gly Gly Asp Tyr His Cys Arg Met Gly Pro Leu Thr Trp Val Cys Lys
1 5 10 15

Pro Leu Gly Gly
20

<210> 422

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

<220>
<223> Synthetic peptide

<400> 422

Gly Gly Val Tyr Ala Cys Arg Met Gly Pro Ile Thr Trp Val Cys Ser
1 5 10 15

Pro Leu Gly Gly

20

<210> 423
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 423

Val Gly Asn Tyr Met Cys His Phe Gly Pro Ile Thr Trp Val Cys Arg
1 5 10 15

Pro Gly Gly Gly
20

<210> 424
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 424

Gly Gly Leu Tyr Leu Cys Arg Phe Gly Pro Val Thr Trp Asp Cys Gly
1 5 10 15

Tyr Lys Gly Gly
20

<210> 425
<211> 40
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 425

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1   5   10   15

Pro Gln Gly Gly Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr
            20   25   30

Trp Val Cys Lys Pro Gln Gly Gly
        35   40

<210> 426
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 426

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1   5   10   15

Pro Gln Gly Gly
            20

<210> 427
<211> 23
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 427

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1   5   10   15

Pro Gln Gly Gly Ser Ser Lys
            20

<210> 428
<211> 23

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 428

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10 15

Pro Gln Gly Gly Ser Ser Lys

20

<210> 429
<211> 23
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 429

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10 15

Pro Gln Gly Gly Ser Ser Lys
20

<210> 430
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 430

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10 15

Pro Gln Gly Gly Ser Ser

20

<210> 431
<211> 23
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 431

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10 15

Pro Gln Gly Gly Ser Ser Lys
20

<210> 432
<211> 10
<212> PRT
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<220>

<223> Synthetic peptide

<220>
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<222> (2)..(2)
<223> Xaa=Arg, His, Leu or Trp

<220>
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<222> (3)..(3)
<223> Xaa=Met, Phe or Ile

<220>
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<222> (6)..(6)
<223> Xaa=any amino acid

<220>
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<222> (7)..(7)
<223> Xaa=Asp, Glu, Ile, Leu or Val

<220>
<221> misc_feature
<222> (9)..(9)
<223> Xaa can be any naturally occurring amino acid

<400> 432

Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys
1 5 10

<210> 433
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 433

Gly Gly Thr Tyr Ser Cys His Gly Pro Leu Thr Trp Val Cys Lys Pro
1 5 10 15

Gln Gly Gly

<210> 434
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 434

Val Gly Asn Tyr Met Ala His Met Gly Pro Ile Thr Trp Val Cys Arg

1 5 10 15

Pro Gly Gly

<210> 435

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

<220>
<223> Synthetic peptide

<400> 435

Gly Gly Pro His His Val Tyr Ala Cys Arg Met Gly Pro Leu Thr Trp
1 5 10 15

Ile Cys

<210> 436
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 436

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10 15

Pro Gln

<210> 437
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 437

Gly Gly Leu Tyr Ala Cys His Met Gly Pro Met Thr Trp Val Cys Gln
1 5 10 15

Pro Leu Arg Gly

20

<210> 438
<211> 22

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 438

Thr Ile Ala Gln Tyr Ile Cys Tyr Met Gly Pro Glu Thr Trp Glu Cys
1 5 10 15

Arg Pro Ser Pro Lys Ala
20

<210> 439
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 439

Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10

<210> 440
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 440

Tyr Cys His Phe Gly Pro Leu Thr Trp Val Cys
1 5 10

<210> 441
<211> 10
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa=Cys, Ala, alphaaminogammabromobutyric acid or homocysteine (HOC)

<220>
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<222> (4)..(4)
<223> Xaa=Arg, His, Leu or Trp

<220>
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<222> (5)..(5)
<223> Xaa=Met, Phe or Ile

<220>
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<223> Xaa=any amino acid

<220>
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<222> (7)..(7)
<223> Xaa=Asp, Glu, Ile, Leu or Val

<220>
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<222> (8)..(8)
<223> Xaa=Cys, Ala, alphaaminogammabromobutyric acid or homocysteine (HOC)

<220>
<221> misc_feature
<222> (9)..(10)
<223> Xaa can be any naturally occurring amino acid

<400> 441

Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa
1 5 10

<210> 442
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
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<223> Xaa=any amino acid

<220>
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<222> (3)..(3)
<223> Xaa=Cys, Ala, alphaaminogammabromobutyric acid, or homocysteine (HOC)

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa=Arg, His, Leu or Trp

<220>

<221> misc_feature
<222> (5)..(5)
<223> Xaa=Met, Phe or Ile

<220>
<221> misc_feature
<222> (8)..(8)
<223> Xaa=any amino acid

<220>
<221> misc_feature
<222> (11)..(11)
<223> Xaa=Asp, Glu, Ile, Leu or Val

<220>
<221> misc_feature

<222> (12)..(12)
<223> Xaa=Cys, Ala, alphaaminogammbromobutyric acid, or homocysteine (HOC)

<400> 442

Tyr Xaa Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa
1 5 10

<210> 443
<211> 16
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<222> (1)..(1)
<223> Xaa=any amino acid

<220>
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<222> (3)..(3)
<223> Xaa=any amino acid

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa=Cys, Ala, alphaaminogammabromobutyric acid, or homocysteine (HOC)

<220>
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<222> (5)..(5)
<223> Xaa=Arg, His, Leu or Trp

<220>
<221> misc_feature
<222> (6)..(6)
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<220>
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<222> (9)..(9)
<223> Xaa=any amino acid

<220>
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<222> (12)..(12)
<223> Xaa=Asp, Glu, Ile, Leu or Val

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa=Cys, Ala, alphaaminogammabromobutyric acid, or
homocysteine (HOC)

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<222> (14)..(14)
<223> Xaa=any amino acid

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<222> (15)..(15)
<223> Xaa=any amino acid

<220>
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<222> (16)..(16)
<223> Xaa=any amino acid

<400> 443

Xaa Tyr Xaa Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa Xaa Xaa Xaa
1 5 10 15

<210> 444
<211> 16
<212> PRT
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<220>
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<220>
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<222> (1)..(1)
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<220>
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<222> (3)..(3)

<223> Xaa=any amino acid

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<222> (5)..(5)
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<220>
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<222> (6)..(6)
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<220>
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<222> (9)..(9)
<223> Xaa=any amino acid

<220>
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<222> (12)..(12)
<223> Xaa=Asp, Glu, Ile, Leu or Val

<220>
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<223> Xaa=any amino acid

<220>
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<222> (15)..(15)
<223> Xaa=any amino acid

<220>
<221> misc_feature
<222> (16)..(16)
<223> Xaa=any amino acid

<400> 444

Xaa Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Xaa Xaa
1   5   10   15

<210> 445
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 445

Gly Gly Leu Tyr Leu Cys Arg Phe Gly Pro Val Thr Trp Asp Cys Gly
1 5 10 15

Tyr Lys Gly Gly
20

<210> 446
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 446

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10 15

Pro Gln Gly Gly
20

<210> 447
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 447

Gly Gly Asp Tyr His Cys Arg Met Gly Pro Leu Thr Trp Val Cys Lys
1 5 10 15

Pro Leu Gly Gly
20

<210> 448
<211> 20

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 448

Val Gly Asn Tyr Met Cys His Phe Gly Pro Ile Thr Trp Val Cys Arg
1 5 10 15

Pro Gly Gly Gly
20

<210> 449
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 449

Gly Gly Val Tyr Ala Cys Arg Met Gly Pro Ile Thr Trp Val Cys Ser
1 5 10 15

Pro Leu Gly Gly
20

<210> 450
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 450

Val Gly Asn Tyr Met Ala His Met Gly Pro Ile Thr Trp Val Cys Arg
1 5 10 15

Pro Gly Gly

<210> 451
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 451

Gly Gly Thr Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10 15

Pro Gln

<210> 452
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 452

Gly Gly Leu Tyr Ala Cys His Met Gly Pro Met Thr Trp Val Cys Gln
1 5 10 15

Pro Leu Arg Gly
20

<210> 453
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 453

Thr Ile Ala Gln Tyr Ile Cys Tyr Met Gly Pro Glu Thr Trp Glu Cys

1 5 10 15

Arg Pro Ser Pro Lys Ala
20

<210> 454
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 454

Tyr Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10

<210> 455
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 455

Tyr Cys His Phe Gly Pro Leu Thr Trp Val Cys
1 5 10

<210> 456
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 456

Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10

<210> 457
<211> 12
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<223> Xaa=any amino acid except Tyrosine

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

<223> Xaa=any amino acid

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa=Cys, Ala, Alphaaminogammabromobutyric acid, or
homocysteine (HOC)

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa=Arg, His, Leu or Trp

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa=Met. Phe or Ile

<220>
<221> misc_feature
<222> (8)..(8)
<223> Xaa=any amino acid

<220>
<221> misc_feature
<222> (11)..(11)
<223> Xaa=Asp, Gly, Ile, Leu or Val

<220>
<221> misc_feature
<222> (12)..(12)
<223> Xaa=Cys, Ala, Alphaaminogammabromobutyric acid, or

homocysteine (HOC)

<400> 457

Xaa Xaa Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa
1 5 10

<210> 458
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xn=Glu, Gly, Asn, Ser, Asp, Gln, Leu, Tyr, Ala or nothing

<220>
<221> misc_feature
<222> (2)..(2)
<223> Xn=Phe, Val, Ala, Lys, Arg, Gly, Ser, Ile, Leu or nothing

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xn=His, Gln, Glu, Gly, Asp, Ala or Val

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xn=Glu, Gly, Val, Ala, Pro, Asp, Thr or Met

<220>
<221> misc_feature
<222> (6)..(6)
<223> Xaa=any amino acid

<220>
<221> misc_feature
<222> (7)..(7)
<223> Xaa=any amino acid

<220>
<221> misc_feature
<222> (12)..(12)

<223> Xaa=Cys, Ala, Alphaaminogammabromobutyric acid or homocysteine (HOC)

<220>
<221> misc_feature
<222> (14)..(14)
<223> Xaa=Arg, His, Leu or Trp

<220>
<221> misc_feature
<222> (15)..(15)
<223> Xaa=Met, Phe or Ile

<220>
<221> misc_feature
<222> (17)..(17)
<223> Xaa=Leu, Ile, Pro, Phe, Met, Gln or Gly

<400> 458

Xaa Xaa Xaa Xaa Cys Xaa Xaa Gly Trp Val Gly Xaa Cys Xaa Xaa Trp
1 5 10 15

Xaa

<210> 459
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 459

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
1 5 10

<210> 460
<211> 14
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 460

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Lys Ala
1 5 10

<210> 461
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 461

Ile Glu Gly Pro Thr Leu Arg Glu Trp Leu Ala Ala Arg Ala
1 5 10

<210> 462
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 462

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
1 5 10

<210> 463
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 463

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Lys Ala
1 5 10

<210> 464

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

<220>
<223> Synthetic peptide

<400> 464

Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala
1 5 10

<210> 465
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 465

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
1 5 10

<210> 466
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 466

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
1 5 10

<210> 467
<211> 28
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 467

Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Ile Glu
1 5 10 15

Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
20 25

<210> 468
<211> 28
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 468

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Ile Glu
1 5 10 15

Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala
20 25

<210> 469
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (6)..(8)
<223> Xaa can be any naturally occurring amino acid

<400> 469

Val Arg Asp Gln Ile Xaa Xaa Xaa Leu
1 5

<210> 470
<211> 6

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 470

Thr Leu Arg Glu Trp Leu
1 5

<210> 471
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 471

Gly Arg Val Arg Asp Gln Val Ala Gly Trp
1 5 10

<210> 472
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 472

Gly Arg Val Lys Asp Gln Ile Ala Gln Leu

1 5 10

<210> 473
<211> 10
<212> PRT
<213> Artificial sequence

<220>
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<400> 473

Gly Val Arg Asp Gln Val Ser Trp Ala Leu
1 5 10

<210> 474
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 474

Glu Ser Val Arg Glu Gln Val Met Lys Tyr
1 5 10

<210> 475
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 475

Ser Val Arg Ser Gln Ile Ser Ala Ser Leu
1 5 10

<210> 476
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 476

Gly Val Arg Glu Thr Val Tyr Arg His Met
1 5 10

<210> 477
<211> 11
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 477

Gly Val Arg Glu Val Ile Val Met His Met Leu
1 5 10

<210> 478
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 478

Gly Arg Val Arg Asp Gln Ile Trp Ala Ala Leu
1 5 10

<210> 479
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 479

Ala Gly Val Arg Asp Gln Ile Leu Ile Trp Leu
1 5 10

<210> 480
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 480

Gly Arg Val Arg Asp Gln Ile Met Leu Ser Leu

1 5 10

<210> 481
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (8)..(8)

<223> Xaa=any or unknown amino acid

<220>
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<222> (9)..(9)
<223> Xaa=any or unknown amino acid

<220>
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Pro Lys Asn

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Arg Asp Thr

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Thr Lys Lys

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Thr Ser

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Ala Ser

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Asp Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys
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Asp Ile Thr Trp Asp Glu Leu Trp Lys Ile Met Asn
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Asp Met Thr Trp His Asp Leu Trp Thr Leu Met Ser
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His Val Ser Trp Glu Gln Leu Trp Asp Ile Met Asn
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Ser Gln

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1 5 10

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<400> 591

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<400> 592

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<400> 596

Cys Gln Asn Arg Tyr Thr Asp Leu Val Ala Ile Gln Asn Lys Asn Glu
1 5 10 15

<210> 597
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Asp

<210> 598
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<400> 598

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Thr Asn Glu

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Thr Glu Glu

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Thr Xaa Glu

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<400> 607

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1 5 10 15

Thr Leu Leu Ser Ala Val Gly Ser Ala Leu Ser Ser Ser Gly Gly Gln
20 25 30

Gln

<210> 608
<211> 33
<212> PRT
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<400> 608

Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
1   5   10   15

Thr Leu Leu Ser Ala Val Gly Ser Ala Leu Ser Ser Ser Gly Gly Gln
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Glu

<210> 609
<211> 22
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<400> 609

Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
1   5   10   15

Thr Leu Leu Ser Ala Val
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<210> 610
<211> 22
<212> PRT
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<400> 610

Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe Lys
1   5   10   15

Thr Leu Leu Ser Ala Val
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<210> 611
<211> 23
<212> PRT
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<400> 611

Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu Phe
1   5   10   15

Lys Thr Leu Leu Ser Ala Val

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Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu
1   5   10   15

Phe Lys Thr Leu Leu Ser Ala Val
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Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu
1 5 10 15

Phe Lys Thr Leu Leu Ser Ala Val
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<210> 614
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Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser
1 5 10

<210> 615
<211> 26
<212> PRT
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<400> 615

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1 5 10 15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln
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<210> 616
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<400> 616

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1 5 10 15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln
20 25

<210> 617
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1 5 10 15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln
20 25

<210> 618
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1 5 10 15

Ile Ser Trp Ile Lys Arg
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<210> 619

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1 5 10 15

Ile Lys Arg

<210> 620
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<212> PRT
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1 5 10

<210> 623
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1 5 10

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Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys
1 5 10

<210> 625
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<400> 625

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1 5 10

<210> 626

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1 5

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<400> 627

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1 5

<210> 628
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<400> 628

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1 5 10

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1 5 10

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<212> PRT
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<220>
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<400> 630

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys
1 5 10

<210> 631
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Lys Ala Ala Ala Lys Ala Ala Ala Lys Ala Ala Lys
1 5 10

<210> 632
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<400> 632

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1 5 10

<210> 633
<211> 12

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<400> 633

Lys Val Val Val Lys Val Lys Val Lys Val Val Lys
1 5 10

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<400> 634

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1 5 10

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<400> 635

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1 5 10

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<210> 637
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<400> 637

Lys Val Leu His Leu Leu
1 5

<210> 638
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<400> 638

Leu Lys Leu Arg Leu Leu
1 5

<210> 639
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<220>
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<400> 639

Lys Pro Leu His Leu Leu
1 5

<210> 640
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<400> 640

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1   5

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<400> 642

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1   5

<210> 643
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1   5

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<400> 646

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1 5 10

<210> 647
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1   5   10

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1   5   10

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1 5 10

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1 5 10

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1 5 10

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<400> 659

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<400> 660

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1 5 10

<210> 661
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1 5 10

<210> 662
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<220>
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<400> 662

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1 5 10 15

<210> 663
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<400> 663

Arg Ile Ile Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu
1 5 10 15

<210> 664

<211> 16
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<400> 664

Lys Ile Gly Ile Lys Ala Arg Val Arg Ile Ile Arg Val Lys Ile Ile
1 5 10 15

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1 5 10 15

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1 5 10 15

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<400> 667

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1 5 10 15

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<400> 668

Lys Ile Gly His Lys Ala Arg Val His Ile Ile Arg Tyr Lys Ile Ile
1 5 10 15

<210> 669
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1 5 10 15

<210> 670
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<400> 670

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1 5 10 15

<210> 671
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<212> PRT
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<400> 671

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1 5 10 15

Lys Ile Val

<210> 672
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<400> 672

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1 5 10 15

Ile Lys Lys

<210> 673
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 673

Lys Ile Gly Trp Lys Leu Arg Val Arg Ile Ile Arg Val Lys Ile Gly
1 5 10 15

Arg Leu Arg

<210> 674
<211> 25
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 674

Lys Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg Ile Arg
1 5 10 15

Lys Ile Val Lys Val Lys Arg Ile Arg
20 25

<210> 675
<211> 26
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 675

Arg Phe Ala Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu
1 5 10 15

Ile Lys Lys Ile Arg Lys Arg Val Ile Lys
20 25

<210> 676
<211> 30

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 676

Lys Ala Gly Trp Lys Leu Arg Val Arg Ile Ile Arg Val Lys Ile Gly
1 5 10 15

Arg Leu Arg Lys Ile Gly Trp Lys Lys Arg Val Arg Ile Lys
20 25 30

<210> 677
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 677

Arg Ile Tyr Val Lys Pro His Pro Arg Tyr Ile Lys Lys Ile Arg Leu
1   5   10   15

<210> 678
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 678

Lys Pro Gly His Lys Ala Arg Pro His Ile Ile Arg Tyr Lys Ile Ile
1   5   10   15

<210> 679
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 679

Lys Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg Ile Arg
1   5   10   15

Lys Ile Val

<210> 680

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

<220>
<223> Synthetic peptide

<400> 680

Arg Ile Ile Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu
1 5 10 15

Ile Lys Lys

<210> 681
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 681

Arg Ile Tyr Val Ser Lys Ile Ser Ile Tyr Ile Lys Lys Ile Arg Leu
1 5 10 15

<210> 682
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 682

Lys Ile Val Ile Phe Thr Arg Ile Arg Leu Thr Ser Ile Arg Ile Arg
1 5 10 15

Ser Ile Val

<210> 683
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 683

Lys Pro Ile His Lys Ala Arg Pro Thr Ile Ile Arg Tyr Lys Met Ile
1 5 10 15

<210> 684
<211> 25
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 684

Cys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro Leu
1 5 10 15

Phe Lys Thr Leu Leu Ser Ala Val Cys
20 25

<210> 685
<211> 26
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 685

Cys Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro
1 5 10 15

Leu Phe Lys Thr Leu Leu Ser Ala Val Cys
20 25

<210> 686
<211> 27
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 686

Cys Lys Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser
1 5 10 15

Pro Leu Phe Lys Thr Leu Leu Ser Ala Val Cys
20 25

<210> 687
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 687

Cys Arg Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg Cys
1 5 10 15

<210> 688
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 688

Cys Lys Pro Gly His Lys Ala Arg Pro His Ile Ile Arg Tyr Lys Ile
1 5 10 15

Ile Cys

<210> 689
<211> 28
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 689

Cys Arg Phe Ala Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg
1 5 10 15

Leu Ile Lys Lys Ile Arg Lys Arg Val Ile Lys Cys
20 25

<210> 690
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 690

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys Cys
1 5 10

<210> 691
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 691

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys
1 5 10

<210> 692
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 692

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys Cys
1 5 10

<210> 693
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 693

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys
1 5 10

<210> 694
<211> 28
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 694

His Ser Asp Ala Val Phe Tyr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
20 25

<210> 695
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=Norleucine

<400> 695

Xaa His Ser Asp Ala Val Phe Tyr Asp Asn Tyr Thr Arg Leu Arg Lys
1 5 10 15

Gln Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
20 25

<210> 696
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=Ala, Val, AlaVal, ValAla, LLys, DLys, Lys, ValLys, AlaValLys, ValAlaLys or Orn

<220>
<221> misc_feature
<222> (2)..(2)
<223> Xaa=LLys, DLys or Orn

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa=any or unknown amino acid

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa=X5, X5Asn, X5Ser, X5Ile, X5Tyr, X5Leu, X5Nle, X5DAla, X5AsnSer, X5AsnSerIle, X5AsnSerTyr, X5AsnSerIleLeu, X5AsnSerTyrLeu, X5AsnSerIleLeuAsn or X5AsnSerTyrLeuAsn

<400> 696

Xaa Xaa Xaa Xaa
1

<210> 697

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

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=Asn, X5, X5Asn, TyrX5, TyrX5Asn, LysX5, LysX5Asn,
LysTyrX5, LysTyrX5Asn, LysLysTyrX5, LysLysTyrX5Asn,

ValLysLysTyrX5, ValAlaLysLysTyrX5Asn, or
AlaValLysLysTyrX5Asn

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa=Ile or Tyr

<400> 697

Xaa Ser Xaa Leu Asn
1 5

<210> 698

<400> 698
000

<210> 699
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 699

Lys Lys Tyr Leu
1

<210> 700
<211> 5
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 700

Asn Ser Ile Leu Asn
1 5

<210> 701
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 701

Lys Lys Tyr Leu
1

<210> 702
<211> 4

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 702

Lys Lys Tyr Ala
1

<210> 703
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 703

Ala Val Lys Lys Tyr Leu
1 5

<210> 704
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 704

Asn Ser Ile Leu Asn
1 5

<210> 705
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 705

Lys Lys Tyr Val
1

<210> 706
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa=Lauroyl moiety

<400> 706

Ser Ile Xaa Asn

1

<210> 707
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa=Norleucine

<400> 707

Lys Lys Tyr Leu Xaa
1 5

<210> 708
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 708

Asn Ser Tyr Leu Asn
1 5

<210> 709
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 709

Asn Ser Ile Tyr Asn
1 5

<210> 710
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 710

Lys Lys Tyr Leu Pro Pro Asn Ser Ile Leu Asn
1 5 10

<210> 711
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=Lauroyl moiety

<400> 711

Xaa Lys Lys Tyr Leu
1 5

<210> 712
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=Caproyl moiety

<400> 712

Xaa Lys Lys Tyr Leu
1 5

<210> 713
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 713

Lys Tyr Leu
1

<210> 714
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa=Norleucine

<400> 714

Lys Lys Tyr Xaa
1

<210> 715
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 715

Val Lys Lys Tyr Leu
1 5

<210> 716
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 716

Leu Asn Ser Ile Leu Asn
1 5

<210> 717
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 717

Tyr Leu Asn Ser Ile Leu Asn
1 5

<210> 718

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

<220>
<223> Synthetic peptide

<400> 718

Lys Lys Tyr Leu Asn
1 5

<210> 719
<211> 6
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 719

Lys Lys Tyr Leu Asn Ser
1 5

<210> 720
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 720

Lys Lys Tyr Leu Asn Ser Ile
1 5

<210> 721
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 721

Lys Lys Tyr Leu Asn Ser Ile Leu
1 5

<210> 722
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 722

Lys Lys Tyr Leu
1

<210> 723
<211> 5
<212> PRT
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<220>
<223> Synthetic peptide

<400> 723

Lys Lys Tyr Asp Ala
1 5

<210> 724
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 724

Ala Val Lys Lys Tyr Leu
1 5

<210> 725
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 725

Asn Ser Ile Leu Asn
1 5

<210> 726
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 726

Lys Lys Tyr Val
1

<210> 727

<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa=Lauroyl moiety

<400> 727

Ser Ile Xaa Asn
1

<210> 728
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 728

Asn Ser Tyr Leu Asn
1   5

<210> 729
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 729

Asn Ser Ile Tyr Asn
1   5

<210> 730
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa=Norleucine

<400> 730

Lys Lys Tyr Leu Xaa
1   5

<210> 731
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 731

Lys Lys Tyr Leu Pro Pro Asn Ser Ile Leu Asn
1   5   10

<210> 732
<211> 4
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 732

Lys Lys Tyr Leu
1

<210> 733
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 733

Lys Lys Tyr Asp Ala
1   5

<210> 734
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 734

Ala Val Lys Lys Tyr Leu
1   5

<210> 735
<211> 5
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 735

Asn Ser Ile Leu Asn
1   5

<210> 736
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 736

Lys Lys Tyr Val
1

<210> 737
<211> 4
<212> PRT
<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa=Lauroyl moiety

<400> 737

Ser Ile Xaa Asn
1

<210> 738
<211> 5
<212> PRT
<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=Lauroyl moiety

<400> 738

Xaa Lys Lys Tyr Leu
1 5

<210> 739
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=Caproyl moiety

<400> 739

Xaa Lys Lys Tyr Leu
1 5

<210> 740
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 740

Lys Tyr Leu
1

<210> 741
<211> 3
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 741

Lys Tyr Leu

1

<210> 742
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa=Norleucine

<400> 742

Lys Lys Tyr Xaa
1

<210> 743
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 743

Val Lys Lys Tyr Leu
1 5

<210> 744
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 744

Leu Asn Ser Ile Leu Asn
1 5

<210> 745
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 745

Tyr Leu Asn Ser Ile Leu Asn
1 5

<210> 746
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa=Norleucine

<400> 746

Lys Lys Tyr Leu Xaa
1 5

<210> 747
<211> 5
<212> PRT
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<220>
<223> Synthetic peptide

<400> 747

Lys Lys Tyr Leu Asn
1 5

<210> 748
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 748

Lys Lys Tyr Leu Asn Ser
1 5

<210> 749
<211> 7
<212> PRT
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<220>
<223> Synthetic peptide

<400> 749

Lys Lys Tyr Leu Asn Ser Ile
1 5

<210> 750
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 750

Lys Lys Tyr Leu Asn Ser Ile Leu
1 5

<210> 751
<211> 6
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 751

Lys Lys Lys Tyr Leu Asp
1 5

<210> 752
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 752

Cys Lys Lys Tyr Leu Cys
1 5

<210> 753
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 753

Cys Lys Lys Tyr Leu Lys
1 5

<210> 754
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 754

Lys Lys Tyr Ala
1

<210> 755

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

<220>
<223> Synthetic peptide

<400> 755

Trp Trp Thr Asp Thr Gly Leu Trp
1 5

<210> 756
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 756

Trp Trp Thr Asp Asp Gly Leu Trp
1 5

<210> 757
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 757

Trp Trp Asp Thr Arg Gly Leu Trp Val Trp Thr Ile
1 5 10

<210> 758
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 758

Phe Trp Gly Asn Asp Gly Ile Trp Leu Glu Ser Gly
1 5 10

<210> 759
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 759

Asp Trp Asp Gln Phe Gly Leu Trp Arg Gly Ala Ala
1 5 10

<210> 760
<211> 12
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 760

Arg Trp Asp Asp Asn Gly Leu Trp Val Val Val Leu
1 5 10

<210> 761
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 761

Ser Gly Met Trp Ser His Tyr Gly Ile Trp Met Gly
1 5 10

<210> 762

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

<220>
<223> Synthetic peptide

<400> 762

Gly Gly Arg Trp Asp Gln Ala Gly Leu Trp Val Ala
1 5 10

<210> 763
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 763

Lys Leu Trp Ser Glu Gln Gly Ile Trp Met Gly Glu
1 5 10

<210> 764
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 764

Cys Trp Ser Met His Gly Leu Trp Leu Cys
1 5 10

<210> 765
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 765

Gly Cys Trp Asp Asn Thr Gly Ile Trp Val Pro Cys
1 5 10

<210> 766
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 766

Asp Trp Asp Thr Arg Gly Leu Trp Val Tyr
1 5 10

<210> 767
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 767

Ser Leu Trp Asp Glu Asn Gly Ala Trp Ile
1 5 10

<210> 768
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 768

Lys Trp Asp Asp Arg Gly Leu Trp Met His
1 5 10

<210> 769
<211> 10

<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 769

Gln Ala Trp Asn Glu Arg Gly Leu Trp Thr
1   5   10

<210> 770
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 770

Gln Trp Asp Thr Arg Gly Leu Trp Val Ala
1   5   10

<210> 771
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 771

Trp Asn Val His Gly Ile Trp Gln Glu
1   5

<210> 772
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 772

Ser Trp Asp Thr Arg Gly Leu Trp Val Glu
1 5 10

<210> 773
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 773

Asp Trp Asp Thr Arg Gly Leu Trp Val Ala
1 5 10

<210> 774
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 774

Ser Trp Gly Arg Asp Gly Leu Trp Ile Glu
1 5 10

<210> 775
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 775

Glu Trp Thr Asp Asn Gly Leu Trp Ala Leu
1 5 10

<210> 776
<211> 10

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 776

Ser Trp Asp Glu Lys Gly Leu Trp Ser Ala
1 5 10

<210> 777
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 777

Ser Trp Asp Ser Ser Gly Leu Trp Met Asp
1 5 10

<210> 778
<211> 6
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 778

Thr Phe Ser Asp Leu Trp
1 5

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

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1 5 10

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1 5 10

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Thr Met Leu Ala Lys
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Arg Arg Trp Lys Lys Asn Phe Ile Ala Val Ser Ala Ala Asn Arg Phe
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Lys Lys

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Ser Ser

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Val Ala

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<400> 809

Leu Lys Lys Leu Leu Lys Leu Leu Lys Lys Leu Leu Lys Leu
1 5 10

<210> 810
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<212> PRT
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Leu Leu

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<400> 811

Ala Glu Trp Pro Ser Leu Thr Glu Ile Lys Thr Leu Ser His Phe Ser
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Val

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<212> PRT
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Ala Glu Trp Pro Ser Pro Thr Arg Val Ile Ser Thr Thr Tyr Phe Gly
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Ser

<210> 813
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<212> PRT
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Ala Glu Leu Ala His Trp Pro Pro Val Lys Thr Val Leu Arg Ser Phe
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Thr

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Ala Glu Gly Ser Trp Leu Gln Leu Leu Asn Leu Met Lys Gln Met Asn
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Asn

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Ala Glu Trp Pro Ser Leu Thr Glu Ile Lys
1 5 10

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Ser Gly Ser Gly Val Leu Lys Arg Pro Leu Pro Ile Leu Pro Val Thr
1 5 10 15

Arg

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Arg Trp Leu Ser Ser Arg Pro Leu Pro Pro Leu Pro Leu Pro Pro Arg
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Thr

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Gly Ser Gly Ser Tyr Asp Thr Leu Ala Leu Pro Ser Leu Pro Leu His
1 5 10 15

Pro Met Ser Ser
20

<210> 819
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Gly Ser Gly Ser Tyr Asp Thr Arg Ala Leu Pro Ser Leu Pro Leu His
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Pro Met Ser Ser
20

<210> 820
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Gly Ser Gly Ser Ser Gly Val Thr Met Tyr Pro Lys Leu Pro Pro His
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Trp Ser Met Ala
20

<210> 821
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Trp Ser Met Ala
20

<210> 822
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<212> PRT
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Ala Lys His Gly
20

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Arg Asn Arg Gln Lys Thr
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Arg Asn Arg Gln
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Arg Asn Arg Gln Lys
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Asn Arg Gln Lys Thr
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1   5

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1   5

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1   5

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1   5

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1   5

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Arg Pro Gln Pro Pro Pro Pro
1   5

<210> 852
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Arg Gln Leu Pro Ile Pro Pro
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Xaa Xaa Xaa Arg Pro Leu Pro Pro Ile Pro Xaa Xaa
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<400> 862

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<400> 863

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Xaa Pro Xaa Leu Pro Xaa Lys
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Xaa Xaa Asp Xaa Pro Leu Pro Xaa Leu Pro
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or Cys

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<400> 868

Xaa Xaa Asn Phe Phe Trp Lys Thr Phe Xaa Ser Xaa
1 5 10

<210> 869

<211> 17
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<400> 869

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1 5 10 15

Lys

<210> 870
<211> 15
<212> PRT

<213> Artificial sequence

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<400> 870

Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
1 5 10 15

<210> 871
<211> 13
<212> PRT
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<220>
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<400> 871

Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
1 5 10

<210> 872
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<220>
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<400> 872

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1 5 10 15

<210> 873
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<400> 873

Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys

1 5 10

<210> 874
<211> 12
<212> PRT
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<220>
<223> Synthetic peptide

<400> 874

Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1 5 10

<210> 875
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<212> PRT
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<220>
<223> Synthetic peptide

<400> 875

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1 5 10 15

<210> 876
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<220>
<223> Synthetic peptide

<400> 876

Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
1 5 10 15

<210> 877
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<220>
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<400> 877

Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
1   5   10

<210> 878
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<400> 878

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1   5   10   15

<210> 879
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<400> 879

Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1   5   10

<210> 880
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<400> 880

Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1   5   10

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<220>
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<400> 881

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

Lys

<210> 882
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<212> PRT
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<220>
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<400> 882

Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys
1 5 10 15

<210> 883
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<220>
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<400> 883

Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys
1 5 10

<210> 884
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<212> PRT
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<400> 884

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 885
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<220>
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<400> 885

Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 886
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<400> 886

Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 887
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<212> PRT
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<400> 887

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

Lys

<210> 888
<211> 15
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<400> 888

Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys
1 5 10 15

<210> 889
<211> 13
<212> PRT
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<400> 889

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys
1 5 10

<210> 890
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<400> 890

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 891
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<212> PRT
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<220>
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<400> 891

Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 892
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<212> PRT
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<400> 892

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 893
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<220>
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<400> 893

Ala Glu Pro Met Pro His Ser Leu Asn Phe Ser Gln Tyr Leu Trp Tyr
1 5 10 15

Thr

<210> 894
<211> 17
<212> PRT
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<220>
<223> Synthetic peptide

<400> 894

Ala Glu His Thr Tyr Ser Ser Leu Trp Asp Thr Tyr Ser Pro Leu Ala
1   5   10   15

Phe

<210> 895
<211> 17
<212> PRT
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<220>
<223> Synthetic peptide

<400> 895

Ala Glu Leu Asp Leu Trp Met Arg His Tyr Pro Leu Ser Phe Ser Asn
1   5   10   15

Arg

<210> 896
<211> 17
<212> PRT
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<220>
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<400> 896

Ala Glu Ser Ser Leu Trp Thr Arg Tyr Ala Trp Pro Ser Met Pro Ser
1   5   10   15

Tyr

<210> 897
<211> 17
<212> PRT
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<220>
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<400> 897

Ala Glu Trp His Pro Gly Leu Ser Phe Gly Ser Tyr Leu Trp Ser Lys
1 5 10 15

Thr

<210> 898
<211> 17
<212> PRT
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<220>
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<400> 898

Ala Glu Pro Ala Leu Leu Asn Trp Ser Phe Phe Phe Asn Pro Gly Leu
1 5 10 15

His

<210> 899
<211> 17
<212> PRT
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<220>
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<400> 899

Ala Glu Trp Ser Phe Tyr Asn Leu His Leu Pro Glu Pro Gln Thr Ile
1 5 10 15

Phe

<210> 900
<211> 17
<212> PRT
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<220>
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<400> 900

Ala Glu Pro Leu Asp Leu Trp Ser Leu Tyr Ser Leu Pro Pro Leu Ala
1 5 10 15

Met

<210> 901
<211> 17
<212> PRT
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<220>
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<400> 901

Ala Glu Pro Thr Leu Trp Gln Leu Tyr Gln Phe Pro Leu Arg Leu Ser
1 5 10 15

Gly

<210> 902

<211> 17
<212> PRT
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<220>
<223> Synthetic peptide

<400> 902

Ala Glu Ile Ser Phe Ser Glu Leu Met Trp Leu Arg Ser Thr Pro Ala
1 5 10 15

Phe

<210> 903
<211> 17
<212> PRT
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<220>
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<400> 903

Ala Glu Leu Ser Glu Ala Asp Leu Trp Thr Thr Trp Phe Gly Met Gly
1 5 10 15

Ser

<210> 904
<211> 17
<212> PRT
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<220>
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<400> 904

Ala Glu Ser Ser Leu Trp Arg Ile Phe Ser Pro Ser Ala Leu Met Met
1 5 10 15

Ser

<210> 905
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 905

Ala Glu Ser Leu Pro Thr Leu Thr Ser Ile Leu Trp Gly Lys Glu Ser
1   5   10   15

Val

<210> 906
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 906

Ala Glu Thr Leu Phe Met Asp Leu Trp His Asp Lys His Ile Leu Leu
1   5   10   15

Thr

<210> 907
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 907

Ala Glu Ile Leu Asn Phe Pro Leu Trp His Glu Pro Leu Trp Ser Thr
1   5   10   15

Glu

<210> 908
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 908

Ala Glu Ser Gln Thr Gly Thr Leu Asn Thr Leu Phe Trp Asn Thr Leu
1 5 10 15

Arg

<210> 909

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

<220>
<223> Synthetic peptide

<400> 909

Ala Glu Pro Val Tyr Gln Tyr Glu Leu Asp Ser Tyr Leu Arg Ser Tyr
1 5 10 15

Tyr

<210> 910
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 910

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

Thr

<210> 911
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 911

Ala Glu Phe Phe Lys Leu Gly Pro Asn Gly Tyr Val Tyr Leu His Ser
1 5 10 15

Ala

<210> 912
<211> 11
<212> PRT
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<220>
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<400> 912

Phe Lys Leu Xaa Xaa Xaa Gly Tyr Val Tyr Leu
1 5 10

<210> 913
<211> 17
<212> PRT
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<220>

<223> Synthetic peptide

<400> 913

Ala Glu Ser Thr Tyr His His Leu Ser Leu Gly Tyr Met Tyr Thr Leu
1 5 10 15

Asn

<210> 914
<211> 11
<212> PRT
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<400> 914

Tyr His Xaa Leu Xaa Xaa Gly Tyr Met Tyr Thr
1 5 10

<210> 915
<211> 19
<212> PRT
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<220>
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<400> 915

Val Glu Pro Asn Cys Asp Ile His Val Met Trp Glu Trp Glu Cys Phe
1 5 10 15

Glu Arg Leu

<210> 916
<211> 18
<212> PRT
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<220>
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<400> 916

Gly Glu Arg Trp Cys Phe Asp Gly Pro Leu Thr Trp Val Cys Gly Glu
1 5 10 15

Glu Ser

<210> 917
<211> 20
<212> PRT
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<220>
<223> Synthetic peptide

<400> 917

Arg Gly Trp Val Glu Ile Cys Val Ala Asp Asp Asn Gly Met Cys Val
1 5 10 15

Thr Glu Ala Gln
20

<210> 918
<211> 19
<212> PRT
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<220>
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<400> 918

Gly Trp Asp Glu Cys Asp Val Ala Arg Met Trp Glu Trp Glu Cys Phe
1 5 10 15

Ala Gly Val

<210> 919

<211> 18
<212> PRT
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<220>
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<400> 919

Gly Glu Arg Trp Cys Phe Asp Gly Pro Arg Ala Trp Val Cys Gly Trp
1 5 10 15

Glu Ile

<210> 920
<211> 18
<212> PRT
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<220>
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<400> 920

Glu Glu Leu Trp Cys Phe Asp Gly Pro Arg Ala Trp Val Cys Gly Tyr
1 5 10 15

Val Lys

<210> 921
<211> 20
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 921

Arg Gly Trp Val Glu Ile Cys Ala Ala Asp Asp Tyr Gly Arg Cys Leu
1 5 10 15

Thr Glu Ala Gln
20

<210> 922
<211> 16
<212> PRT
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<220>
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<400> 922

Arg Gly Trp Val Glu Ile Cys Glu Ser Asp Val Trp Gly Arg Cys Leu
1 5 10 15

<210> 923
<211> 16
<212> PRT
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<220>
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<400> 923

Arg Gly Trp Val Glu Ile Cys Glu Ser Asp Val Trp Gly Arg Cys Leu
1 5 10 15

<210> 924
<211> 19
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 924

Gly Gly Asn Glu Cys Asp Ile Ala Arg Met Trp Glu Trp Glu Cys Phe
1 5 10 15

Glu Arg Leu

<210> 925
<211> 16
<212> PRT
<213> Artificial sequence

<220>
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<400> 925

Arg Gly Trp Val Glu Ile Cys Ala Ala Asp Asp Tyr Gly Arg Cys Leu
1 5 10 15

<210> 926
<211> 10
<212> PRT
<213> Artificial sequence

<220>
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<400> 926

Cys Thr Thr His Trp Gly Phe Thr Leu Cys
1 5 10

<210> 927
<211> 8
<212> PRT
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<400> 927

Cys Leu Arg Ser Gly Xaa Gly Cys
1 5

<210> 928
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<400> 928

Cys Xaa Xaa His Trp Gly Phe Xaa Xaa Cys
1 5 10

<210> 929
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<400> 929

Cys Xaa Pro Xaa Cys
1 5

<210> 930
<211> 10
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<220>
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<400> 930

Cys Arg Arg His Trp Gly Phe Glu Phe Cys
1 5 10

<210> 931
<211> 10
<212> PRT
<213> Artificial sequence

<220>
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<400> 931

Ser Thr Thr His Trp Gly Phe Thr Leu Ser
1 5 10

<210> 932
<211> 10
<212> PRT
<213> Artificial sequence

<220>
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<400> 932

Cys Ser Leu His Trp Gly Phe Trp Trp Cys
1 5 10

<210> 933
<211> 15
<212> PRT
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<220>
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<400> 933

Gly Phe Val Cys Ser Gly Ile Phe Ala Val Gly Val Gly Arg Cys
1 5 10 15

<210> 934

<211> 15
<212> PRT
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<220>
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<400> 934

Ala Pro Gly Val Arg Leu Gly Cys Ala Val Leu Gly Arg Tyr Cys
1 5 10 15

<210> 935
<211> 6
<212> PRT
<213> Artificial sequence

<220>
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<400> 935

Leu Leu Gly Arg Met Lys
1 5

<210> 936
<211> 27
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 936

Ile Cys Val Val Gln Asp Trp Gly His His Arg Cys Thr Ala Gly His
1   5   10   15

Met Ala Asn Leu Thr Ser His Ala Ser Ala Ile
            20   25

<210> 937
<211> 13
<212> PRT
<213> Artificial sequence

<220>
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<400> 937

Ile Cys Val Val Gln Asp Trp Gly His His Arg Cys Thr
1   5   10

<210> 938
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 938

Cys Val Val Gln Asp Trp Gly His His Ala Cys
1   5   10

<210> 939
<211> 27
<212> PRT
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<220>
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<400> 939

Ser Thr Gly Gly Phe Asp Asp Val Tyr Asp Trp Ala Arg Gly Val Ser
1 5 10 15

Ser Ala Leu Thr Thr Thr Leu Val Ala Thr Arg
20 25

<210> 940
<211> 27
<212> PRT
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<220>
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<400> 940

Ser Thr Gly Gly Phe Asp Asp Val Tyr Asp Trp Ala Arg Arg Val Ser
1 5 10 15

Ser Ala Leu Thr Thr Thr Leu Val Ala Thr Arg
20 25

<210> 941
<211> 30
<212> PRT
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<220>
<223> Synthetic peptide

<400> 941

Ser Arg Gly Val Asn Phe Ser Glu Trp Leu Tyr Asp Met Ser Ala Ala
1 5 10 15

Met Lys Glu Ala Ser Asn Val Phe Pro Ser Arg Arg Ser Arg
20 25 30

<210> 942
<211> 30
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 942

Ser Ser Gln Asn Trp Asp Met Glu Ala Gly Val Glu Asp Leu Thr Ala
1   5   10   15

Ala Met Leu Gly Leu Leu Ser Thr Ile His Ser Ser Ser Arg
            20   25   30

<210> 943
<211> 31
<212> PRT
<213> Artificial sequence

<220>
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<400> 943

Ser Ser Pro Ser Leu Tyr Thr Gln Phe Leu Val Asn Tyr Glu Ser Ala
1   5   10   15

Ala Thr Arg Ile Gln Asp Leu Leu Ile Ala Ser Arg Pro Ser Arg
            20   25   30

<210> 944
<211> 31
<212> PRT
<213> Artificial sequence

<220>
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<400> 944

Ser Ser Thr Gly Trp Val Asp Leu Leu Gly Ala Leu Gln Arg Ala Ala
1   5   10   15

Asp Ala Thr Arg Thr Ser Ile Pro Pro Ser Leu Gln Asn Ser Arg
            20   25   30

<210> 945
<211> 18
<212> PRT
<213> Artificial sequence

<220>
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<400> 945

Asp Val Tyr Thr Lys Lys Glu Leu Ile Glu Cys Ala Arg Arg Val Ser
1 5 10 15

Glu Lys

<210> 946
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 946

Glu Lys Gly Ser Tyr Tyr Pro Gly Ser Gly Ile Ala Gln Phe His Ile
1 5 10 15

Asp Tyr Asn Asn Val Ser
20

<210> 947
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 947

Ser Gly Ile Ala Gln Phe His Ile Asp Tyr Asn Asn Val Ser Ser Ala
1 5 10 15

Glu Gly Trp His Val Asn
            20

<210> 948
<211> 34
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 948

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

Gln Phe His Ile Asp Tyr Asn Asn Val Ser Ser Ala Glu Gly Trp His
            20   25   30

Val Asn

<210> 949
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 949

Ser Gly Ile Ala Gln Phe His Ile Asp Tyr Asn Asn Val Ser
1   5   10

<210> 950
<211> 6
<212> PRT
<213> Artificial sequence

<220>
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<400> 950

Leu Leu Gly Arg Met Lys
1 5

<210> 951
<211> 8
<212> PRT
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<220>
<223> Synthetic peptide

<400> 951

Ala Leu Leu Gly Arg Met Lys Gly
1 5

<210> 952
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 952

Leu Asp Pro Ala Phe Arg
1 5

<210> 953
<211> 7
<212> PRT
<213> Artificial sequence

<220>
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<222> (2)..(3)
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<400> 953

Cys Xaa Xaa Arg Gly Asp Cys

1 5

<210> 954
<211> 7
<212> PRT
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<220>
<223> Synthetic peptide

<400> 954

Arg Pro Leu Pro Pro Leu Pro
1 5

<210> 955
<211> 6
<212> PRT
<213> Artificial sequence

<220>
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<400> 955

Pro Pro Val Pro Pro Arg
1 5

<210> 956
<211> 11
<212> PRT
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<220>
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<223> Xaa can be any naturally occurring amino acid

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<223> Xaa can be any naturally occurring amino acid

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<223> Xaa can be any naturally occurring amino acid

<220>
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<400> 956

Xaa Phe Xaa Asp Xaa Trp Xaa Xaa Leu Xaa Xaa
1 5 10

<210> 957
<211> 20
<212> PRT
<213> Artificial sequence

<220>
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<400> 957

Lys Ala Cys Arg Arg Leu Phe Gly Pro Val Asp Ser Glu Gln Leu Ser
1 5 10 15

Arg Asp Cys Asp
20

<210> 958
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 958

Arg Glu Arg Trp Asn Phe Asp Phe Val Thr Glu Thr Pro Leu Glu Gly
1 5 10 15

Asp Phe Ala Trp
20

<210> 959
<211> 20
<212> PRT
<213> Artificial sequence

<220>
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<400> 959

Lys Arg Arg Gln Thr Ser Met Thr Asp Phe Tyr His Ser Lys Arg Arg
1 5 10 15

Leu Ile Phe Ser
20

<210> 960
<211> 20
<212> PRT
<213> Artificial sequence

<220>
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<400> 960

Thr Ser Met Thr Asp Phe Tyr His Ser Lys Arg Arg Leu Ile Phe Ser
1 5 10 15

Lys Arg Lys Pro
20

<210> 961
<211> 5
<212> PRT
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<220>

<223> Synthetic peptide

<400> 961

Arg Arg Leu Ile Phe
1 5

<210> 962
<211> 36
<212> PRT
<213> Artificial sequence

<220>
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<400> 962

Lys Arg Arg Gln Thr Ser Ala Thr Asp Phe Tyr His Ser Lys Arg Arg
1 5 10 15

Leu Ile Phe Ser Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met
20 25 30

Lys Trp Lys Lys
35

<210> 963
<211> 24
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 963

Lys Arg Arg Leu Ile Phe Ser Lys Arg Gln Ile Lys Ile Trp Phe Gln
1 5 10 15

Asn Arg Arg Met Lys Trp Lys Lys
20

<210> 964
<211> 24

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 964

Asn Gln Gly Arg His Phe Cys Gly Ala Leu Ile His Ala Arg Phe Val
1 5 10 15

Met Thr Ala Ala Ser Cys Phe Gln
20

<210> 965
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 965

Arg His Phe Cys Gly Gly Ala Leu Ile His Ala Arg Phe Val Met Thr
1 5 10 15

Ala Ala Ser Cys
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<210> 966
<211> 27
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 966

Gly Thr Arg Cys Gln Val Ala Gly Trp Gly Ser Gln Arg Ser Gly Gly
1 5 10 15

Arg Leu Ser Arg Phe Pro Arg Phe Val Asn Val
20 25

<210> 967
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 967

Trp His Trp Arg His Arg Ile Pro Leu Gln Leu Ala Ala Gly Arg
1 5 10 15

<210> 968
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 968

Leu Lys Thr Pro Arg Val
1 5

<210> 969
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptid

<400> 969

Asn Thr Leu Lys Thr Pro Arg Val
1 5

<210> 970
<211> 11
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 970

Asn Thr Leu Lys Thr Pro Arg Val Gly Gly Cys
1 5 10

<210> 971
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 971

Lys Asp Lys Ala Thr Phe
1 5

<210> 972
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 972

Lys Asp Lys Ala Thr Phe Gly Cys His Asp
1 5 10

<210> 973
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 973

Lys Asp Lys Ala Thr Phe Gly Cys His Asp Gly Cys
1 5 10

<210> 974
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 974

Thr Leu Arg Val Tyr Lys
1 5

<210> 975
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 975

Ala Thr Leu Arg Val Tyr Lys Gly Gly
1 5

<210> 976
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 976

Cys Ala Thr Leu Arg Val Tyr Lys Gly Gly
1 5 10

<210> 977
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 977

Ile Asn Leu Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
1 5 10

<210> 978
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 978

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly
1 5 10

<210> 979
<211> 27
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 979

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu
1 5 10 15

Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu

20 25

<210> 980
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 980

Cys Val His Ala Tyr Arg Ser

1 5

<210> 981
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 981

Cys Val His Ala Tyr Arg Ala
1 5

<210> 982
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 982

Cys Val His Ala Pro Arg Ser
1 5

<210> 983
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 983

Cys Val His Ala Pro Arg Ala
1 5

<210> 984
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 984

Cys Val His Ser Tyr Arg Ser
1   5

<210> 985
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 985

Cys Val His Ser Tyr Arg Ala
1   5

<210> 986
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 986

Cys Val His Ser Pro Arg Ser
1   5

<210> 987
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 987

Cys Val His Ser Pro Arg Ala
1   5

<210> 988
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 988

Cys Val His Thr Tyr Arg Ser
1 5

<210> 989
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 989

Cys Val His Thr Tyr Arg Ala
1 5

<210> 990
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 990

Cys Val His Thr Pro Arg Ser
1 5

<210> 991
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 991

Cys Val His Thr Pro Arg Ala
1 5

<210> 992
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 992

His Trp Ala Trp Phe Lys
1 5

<210> 993
<211> 32
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 993

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Pro
1 5 10 15

Asn Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
20 25 30

<210> 994
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 994

Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu
            20 25 30

Ala Ala Arg Ala
        35

<210> 995
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 995

Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu
            20 25 30

Ala Ala Arg Ala
        35

<210> 996
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 996

Ile Glu Gly Pro Thr Leu Arg Gln Ala Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Ala Leu
            20 25 30

Ala Ala Arg Ala
35

<210> 997
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 997

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
20 25 30

Ala Ala Arg Ala
35

<210> 998
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 998

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
20 25 30

Ala Ala Arg Ala
35

<210> 999
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 999

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
20 25 30

Ala Ala Arg Ala
35

<210> 1000
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1000

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
20 25 30

Ala Ala Arg Ala
35

<210> 1001
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1001

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1   5   10   15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
            20   25   30

Ala Ala Arg Ala
        35

<210> 1002
<211> 36

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1002

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1   5   10   15

Gly Asn Gly Ser Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
            20   25   30

Ala Ala Arg Ala
        35

<210> 1003
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1003

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
            20 25 30

Ala Ala Arg Ala
        35

<210> 1004
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1004

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
            20 25 30

Ala Ala Arg Ala
        35

<210> 1005
<211> 32
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1005

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Pro
1 5 10 15

Asn Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
            20 25 30

<210> 1006
<211> 32
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1006

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Pro
1 5 10 15

Asn Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
20 25 30

<210> 1007
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1007

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
20 25 30

Ala Ala Arg Ala
35

<210> 1008
<211> 34
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1008

Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
1 5 10 15

Gly Pro Asn Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala
20 25 30

Arg Ala

<210> 1009
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1009

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
20 25 30

Ala Ala Arg Ala
35

<210> 1010
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1010

Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu
            20   25   30

Ala Ala Arg Ala
        35

<210> 1011
<211> 36

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1011

Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Gly Gly
1   5   10   15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu
            20   25   30

Ala Ala Arg Ala
        35

<210> 1012
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1012

Ile Glu Gly Pro Thr Leu Arg Gln Ala Leu Ala Ala Arg Ala Gly Gly
1   5   10   15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Ala Leu
            20   25   30

Ala Ala Arg Ala
35

<210> 1013
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1013

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
20 25 30

Ala Ala Arg Ala
35

<210> 1014
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1014

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
20 25 30

Ala Ala Arg Ala
35

<210> 1015
<211> 36

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1015

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Asn Gly Ser Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
20 25 30

Ala Ala Arg Ala
35

<210> 1016
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1016

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
1 5 10 15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
20 25 30

Ala Ala Arg Ala

35

<210> 1017
<211> 41
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1017

Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala
1 5 10 15

Ala Arg Ala Gly Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr
20 25 30

Leu Arg Gln Trp Leu Ala Ala Arg Ala
35 40

<210> 1018
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1018

Gly Gly Gly Lys Gly Gly Gly Gly
1 5

<210> 1019
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1019

Gly Gly Gly Asn Gly Ser Gly Gly
1 5

<210> 1020
<211> 8
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1020

Gly Gly Gly Cys Gly Gly Gly Gly
1 5

<210> 1021
<211> 5
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1021

Gly Pro Asn Gly Gly
1 5

<210> 1022
<211> 29
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1022

Cys Cys Gly Gly Gly Thr Ala Ala Ala Gly Gly Thr Gly Gly Ala Gly
1 5 10 15

Gly Thr Gly Gly Thr Gly Gly Thr Ala Thr Cys Gly Ala
20 25

<210> 1023
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1023

Cys Thr Ala Gly Thr Thr Ala Thr Thr Gly Cys Thr Cys Ala Gly Cys
1 5 10 15

Gly Gly

<210> 1024
<211> 29
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1024

Cys Cys Gly Gly Gly Thr Ala Ala Ala Gly Gly Thr Gly Gly Ala Gly
1 5 10 15

Gly Thr Gly Gly Thr Gly Gly Thr Ala Thr Cys Gly Ala
20 25

<210> 1025
<211> 30
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1025

Cys Cys Ala Cys Cys Thr Cys Cys Ala Cys Cys Thr Thr Thr Ala Cys
1 5 10 15

Cys Cys Gly Gly Ala Gly Ala Gly Thr Gly Gly Gly Ala Gly
20 25 30

<210> 1026
<211> 25
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1026

Cys Gly Thr Ala Cys Ala Gly Gly Thr Thr Thr Ala Cys Gly Cys Ala
1 5 10 15

Ala Gly Ala Ala Ala Ala Thr Gly Gly
20 25

<210> 1027
<211> 30
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1027

Cys Cys Ala Cys Cys Thr Cys Cys Ala Cys Cys Thr Thr Thr Ala Cys
1 5 10 15

Cys Cys Gly Gly Ala Gly Ala Gly Thr Gly Gly Gly Ala Gly
20 25 30

<210> 1028

<211> 25
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1028

Cys Gly Thr Ala Cys Ala Gly Gly Thr Thr Thr Ala Cys Gly Cys Ala
1 5 10 15

Ala Gly Ala Ala Ala Ala Thr Gly Gly
20 25

<210> 1029

<211> 30
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1029

Cys Cys Ala Cys Cys Thr Cys Cys Ala Cys Cys Thr Thr Thr Ala Cys
1 5 10 15

Cys Cys Gly Gly Ala Gly Ala Gly Thr Gly Gly Gly Ala Gly
20 25 30

<210> 1030
<211> 25
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1030

Cys Gly Thr Ala Cys Ala Gly Gly Thr Thr Thr Ala Cys Gly Cys Ala
1 5 10 15

Ala Gly Ala Ala Ala Ala Thr Gly Gly
20 25

<210> 1031
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1031

Cys Thr Ala Gly Thr Thr Ala Thr Thr Gly Cys Thr Cys Ala Gly Cys
1 5 10 15

Gly Gly

<210> 1032
<211> 847
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1032

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Gly Ala Thr Thr Thr Gly Ala Thr Thr Cys Thr Ala Gly Ala Thr Thr
1               5                   10                  15


Thr Gly Thr Thr Thr Thr Ala Ala Cys Thr Ala Ala Thr Thr Ala Ala
            20                  25                  30


Ala Gly Gly Ala Gly Gly Ala Ala Thr Ala Ala Cys Ala Thr Ala Thr
        35                  40                  45


Gly Gly Thr Cys Gly Ala Cys Gly Gly Thr Thr Gly Thr Ala Ala Gly
    50                  55                  60


Cys Cys Ala Thr Gly Cys Ala Thr Thr Thr Gly Thr Ala Cys Ala Gly
65                  70                  75                  80


Thr Cys Cys Cys Ala Gly Ala Ala Gly Thr Ala Thr Cys Ala Thr Cys
                85                  90                  95


Thr Gly Thr Cys Thr Thr Cys Ala Thr Cys Thr Thr Cys Cys Cys Cys
            100                 105                 110


Cys Cys Ala Ala Ala Gly Cys Cys Cys Ala Ala Gly Gly Ala Thr Gly
        115                 120                 125


Thr Gly Cys Thr Cys Ala Cys Cys Ala Thr Thr Ala Cys Thr Cys Thr
    130                 135                 140
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```
Gly Ala Cys Thr Cys Cys Thr Ala Ala Gly Gly Thr Cys Ala Cys Gly
145                 150                 155                 160


Thr Gly Thr Gly Thr Thr Gly Thr Gly Gly Thr Ala Gly Ala Cys Ala
                165                 170                 175


Thr Cys Ala Gly Cys Ala Ala Gly Gly Ala Thr Gly Ala Thr Cys Cys

            180                 185                 190


Cys Gly Ala Gly Gly Thr Cys Cys Ala Gly Thr Thr Cys Ala Gly Cys
        195                 200                 205


Thr Gly Gly Thr Thr Thr Gly Thr Ala Gly Ala Thr Gly Ala Thr Gly
    210                 215                 220


Thr Gly Gly Ala Gly Gly Thr Gly Cys Ala Cys Ala Cys Ala Gly Cys
225                 230                 235                 240


Thr Cys Ala Gly Ala Cys Gly Cys Ala Ala Cys Cys Cys Cys Gly Gly
                245                 250                 255


Gly Ala Gly Gly Ala Gly Cys Ala Gly Thr Thr Cys Ala Ala Cys Ala
            260                 265                 270


Gly Cys Ala Cys Thr Thr Thr Cys Cys Gly Cys Thr Cys Ala Gly Thr
        275                 280                 285


Cys Ala Gly Thr Gly Ala Ala Cys Thr Thr Cys Cys Cys Ala Thr Cys
    290                 295                 300


Ala Thr Gly Cys Ala Cys Cys Ala Gly Gly Ala Cys Thr Gly Gly Cys
305                 310                 315                 320


Thr Cys Ala Ala Thr Gly Gly Cys Ala Ala Gly Gly Ala Gly Thr Thr
                325                 330                 335


Cys Ala Ala Ala Thr Gly Cys Ala Gly Gly Gly Thr Cys Ala Ala Cys
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```
            340                 345                 350

Ala Gly Thr Gly Cys Ala Gly Cys Thr Thr Thr Cys Cys Cys Thr Gly
        355                 360                 365

Cys Cys Cys Cys Cys Ala Thr Cys Gly Ala Gly Ala Ala Ala Ala Cys
    370                 375                 380

Cys Ala Thr Cys Thr Cys Cys Ala Ala Ala Ala Cys Cys Ala Ala Ala
385                 390                 395                 400

Gly Gly Cys Ala Gly Ala Cys Cys Gly Ala Ala Gly Gly Cys Thr Cys
                405                 410                 415

Cys Ala Cys Ala Gly Gly Thr Gly Thr Ala Cys Ala Cys Cys Ala Thr
            420                 425                 430

Thr Cys Cys Ala Cys Cys Thr Cys Cys Cys Ala Ala Gly Gly Ala Gly
        435                 440                 445

Cys Ala Gly Ala Thr Gly Gly Cys Cys Ala Ala Gly Gly Ala Thr Ala
    450                 455                 460

Ala Ala Gly Thr Cys Ala Gly Thr Cys Thr Gly Ala Cys Cys Thr Gly
465                 470                 475                 480

Cys Ala Thr Gly Ala Thr Ala Ala Cys Ala Gly Ala Cys Thr Thr Cys
                485                 490                 495

Thr Thr Cys Cys Cys Thr Gly Ala Ala Gly Ala Cys Ala Thr Thr Ala
            500                 505                 510

Cys Thr Gly Thr Gly Gly Ala Gly Thr Gly Gly Cys Ala Gly Thr Gly
        515                 520                 525

Gly Ala Ala Thr Gly Gly Gly Cys Ala Gly Cys Cys Ala Gly Cys Gly
    530                 535                 540
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```
Gly Ala Gly Ala Ala Cys Thr Ala Cys Ala Ala Gly Ala Ala Cys Ala
545                 550                 555                 560

Cys Thr Cys Ala Gly Cys Cys Cys Ala Thr Cys Ala Thr Gly Gly Ala
                565                 570                 575

Cys Ala Cys Ala Gly Ala Thr Gly Gly Cys Thr Cys Thr Thr Ala Cys
            580                 585                 590

Thr Thr Cys Gly Thr Cys Thr Ala Cys Ala Gly Cys Ala Ala Gly Cys
        595                 600                 605

Thr Cys Ala Ala Thr Gly Thr Gly Cys Ala Gly Ala Ala Gly Ala Gly
    610                 615                 620

Cys Ala Ala Cys Thr Gly Gly Gly Ala Gly Gly Cys Ala Gly Gly Ala
625                 630                 635                 640

Ala Ala Thr Ala Cys Thr Thr Thr Cys Ala Cys Cys Thr Gly Cys Thr
                645                 650                 655

Cys Thr Gly Thr Gly Thr Thr Ala Cys Ala Thr Gly Ala Gly Gly Gly
            660                 665                 670

Cys Cys Thr Gly Cys Ala Cys Ala Ala Cys Cys Ala Cys Cys Ala Thr
        675                 680                 685

Ala Cys Thr Gly Ala Gly Ala Ala Gly Ala Gly Cys Cys Thr Cys Thr
    690                 695                 700

Cys Cys Cys Ala Cys Thr Cys Thr Cys Cys Gly Gly Gly Thr Ala Ala
705                 710                 715                 720

Ala Gly Gly Thr Gly Gly Ala Gly Gly Thr Gly Gly Thr Gly Gly Thr
                725                 730                 735
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```
Ala Thr Cys Gly Ala Ala Gly Gly Thr Cys Cys Gly Ala Cys Thr Cys
            740                 745                 750

Thr Gly Cys Gly Thr Cys Ala Gly Thr Gly Gly Cys Thr Gly Gly Cys
        755                 760                 765

Thr Gly Cys Thr Cys Gly Thr Gly Cys Thr Gly Gly Thr Gly Gly Thr
    770                 775                 780

Gly Gly Ala Gly Gly Thr Gly Gly Cys Gly Gly Cys Gly Gly Ala Gly
785                 790                 795                 800

Gly Thr Ala Thr Thr Gly Ala Gly Gly Gly Cys Cys Cys Ala Ala Cys
                805                 810                 815

Cys Cys Thr Thr Cys Gly Cys Cys Ala Ala Thr Gly Gly Cys Thr Thr
            820                 825                 830

Gly Cys Ala Gly Cys Ala Cys Gly Cys Gly Cys Ala Thr Ala Ala
        835                 840                 845
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<210> 1033
<211> 266
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1033

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Met Val Asp Gly Cys Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser
1               5                   10                  15

Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr
            20                  25                  30

Leu Thr Pro Lys Val Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp
        35                  40                  45
```

```
Pro Glu Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val His Thr
    50                  55                  60

Ala Gln Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser
65                  70                  75                  80

Val Ser Glu Leu Pro Ile Met His Gln Asp Trp Leu Asn Gly Lys Glu
                85                  90                  95

Phe Lys Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys
            100                 105                 110

Thr Ile Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr
        115                 120                 125

Ile Pro Pro Pro Lys Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr
    130                 135                 140

Cys Met Ile Thr Asp Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln
145                 150                 155                 160

Trp Asn Gly Gln Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met
                165                 170                 175

Asp Thr Asp Gly Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys
            180                 185                 190

Ser Asn Trp Glu Ala Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu
        195                 200                 205

Gly Leu His Asn His His Thr Glu Lys Ser Leu Ser His Ser Pro Gly
    210                 215                 220

Lys Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
225                 230                 235                 240

Ala Ala Arg Ala Gly Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro
```

245 250 255

Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
260 265

<210> 1034
<211> 847
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1034

Gly Ala Thr Thr Thr Gly Ala Thr Thr Cys Thr Ala Gly Ala Thr Thr
1 5 10 15

Thr Gly Thr Thr Thr Thr Ala Ala Cys Thr Ala Ala Thr Thr Ala Ala
20 25 30

Ala Gly Gly Ala Gly Gly Ala Ala Thr Ala Ala Cys Ala Thr Ala Thr
35 40 45

Gly Gly Thr Cys Gly Ala Cys Gly Gly Thr Thr Gly Thr Ala Ala Gly
50 55 60

Cys Cys Ala Thr Gly Cys Ala Thr Thr Thr Gly Thr Ala Cys Ala Gly
65 70 75 80

Thr Cys Cys Cys Ala Gly Ala Ala Gly Thr Ala Thr Cys Ala Thr Cys
85 90 95

Thr Gly Thr Cys Thr Thr Cys Ala Thr Cys Thr Thr Cys Cys Cys Cys
100 105 110

Cys Cys Ala Ala Ala Gly Cys Cys Cys Ala Ala Gly Gly Ala Thr Gly
115 120 125

```
Thr Gly Cys Thr Cys Ala Cys Cys Ala Thr Thr Ala Cys Thr Cys Thr
    130                 135                 140

Gly Ala Cys Thr Cys Cys Thr Ala Ala Gly Gly Thr Cys Ala Cys Gly
145                 150                 155                 160

Thr Gly Thr Gly Thr Thr Gly Thr Gly Gly Thr Ala Gly Ala Cys Ala
                165                 170                 175

Thr Cys Ala Gly Cys Ala Ala Gly Gly Ala Thr Gly Ala Thr Cys Cys
            180                 185                 190

Cys Gly Ala Gly Gly Thr Cys Cys Ala Gly Thr Thr Cys Ala Gly Cys
        195                 200                 205

Thr Gly Gly Thr Thr Thr Gly Thr Ala Gly Ala Thr Gly Ala Thr Gly
    210                 215                 220

Thr Gly Gly Ala Gly Gly Thr Gly Cys Ala Cys Ala Cys Ala Gly Cys
225                 230                 235                 240

Thr Cys Ala Gly Ala Cys Gly Cys Ala Ala Cys Cys Cys Cys Gly Gly

                245                 250                 255

Gly Ala Gly Gly Ala Gly Cys Ala Gly Thr Thr Cys Ala Ala Cys Ala
            260                 265                 270

Gly Cys Ala Cys Thr Thr Thr Cys Cys Gly Cys Thr Cys Ala Gly Thr
        275                 280                 285

Cys Ala Gly Thr Gly Ala Ala Cys Thr Thr Cys Cys Cys Ala Thr Cys
    290                 295                 300

Ala Thr Gly Cys Ala Cys Cys Ala Gly Gly Ala Cys Thr Gly Gly Cys
305                 310                 315                 320

Thr Cys Ala Ala Thr Gly Gly Cys Ala Ala Gly Gly Ala Gly Thr Thr
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                325                 330                 335

Cys Ala Ala Ala Thr Gly Cys Ala Gly Gly Gly Thr Cys Ala Ala Cys
            340                 345                 350

Ala Gly Thr Gly Cys Ala Gly Cys Thr Thr Thr Cys Cys Cys Thr Gly
        355                 360                 365

Cys Cys Cys Cys Cys Ala Thr Cys Gly Ala Gly Ala Ala Ala Ala Cys
    370                 375                 380

Cys Ala Thr Cys Thr Cys Cys Ala Ala Ala Ala Cys Cys Ala Ala Ala
385                 390                 395                 400

Gly Gly Cys Ala Gly Ala Cys Cys Gly Ala Ala Gly Gly Cys Thr Cys
                405                 410                 415

Cys Ala Cys Ala Gly Gly Thr Gly Thr Ala Cys Ala Cys Cys Ala Thr
            420                 425                 430

Thr Cys Cys Ala Cys Cys Thr Cys Cys Cys Ala Ala Gly Gly Ala Gly
        435                 440                 445

Cys Ala Gly Ala Thr Gly Gly Cys Cys Ala Ala Gly Gly Ala Thr Ala
    450                 455                 460

Ala Ala Gly Thr Cys Ala Gly Thr Cys Thr Gly Ala Cys Cys Thr Gly
465                 470                 475                 480

Cys Ala Thr Gly Ala Thr Ala Ala Cys Ala Gly Ala Cys Thr Thr Cys
                485                 490                 495

Thr Thr Cys Cys Cys Thr Gly Ala Ala Gly Ala Cys Ala Thr Thr Ala
            500                 505                 510

Cys Thr Gly Thr Gly Gly Ala Gly Thr Gly Gly Cys Ala Gly Thr Gly
        515                 520                 525
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Gly Ala Ala Thr Gly Gly Gly Cys Ala Gly Cys Cys Ala Gly Cys Gly
    530                 535                 540

Gly Ala Gly Ala Ala Cys Thr Ala Cys Ala Ala Gly Ala Ala Cys Ala
545                 550                 555                 560

Cys Thr Cys Ala Gly Cys Cys Cys Ala Thr Cys Ala Thr Gly Gly Ala
                565                 570                 575

Cys Ala Cys Ala Gly Ala Thr Gly Gly Cys Thr Cys Thr Thr Ala Cys
            580                 585                 590

Thr Thr Cys Gly Thr Cys Thr Ala Cys Ala Gly Cys Ala Ala Gly Cys
        595                 600                 605

Thr Cys Ala Ala Thr Gly Thr Gly Cys Ala Gly Ala Ala Gly Ala Gly
    610                 615                 620

Cys Ala Ala Cys Thr Gly Gly Gly Ala Gly Gly Cys Ala Gly Gly Ala
625                 630                 635                 640

Ala Ala Thr Ala Cys Thr Thr Thr Cys Ala Cys Cys Thr Gly Cys Thr
                645                 650                 655

Cys Thr Gly Thr Gly Thr Thr Ala Cys Ala Thr Gly Ala Gly Gly Gly
            660                 665                 670

Cys Cys Thr Gly Cys Ala Cys Ala Ala Cys Cys Ala Cys Cys Ala Thr
        675                 680                 685

Ala Cys Thr Gly Ala Gly Ala Ala Gly Ala Gly Cys Cys Thr Cys Thr
    690                 695                 700

Cys Cys Cys Ala Cys Thr Cys Thr Cys Cys Gly Gly Gly Thr Ala Ala
705                 710                 715                 720
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Ala Gly Gly Thr Gly Gly Ala Gly Gly Thr Gly Gly Thr Gly Gly Thr
                725                 730                 735


Ala Thr Cys Gly Ala Ala Gly Gly Thr Cys Cys Gly Ala Cys Thr Cys
            740                 745                 750


Thr Gly Cys Gly Thr Cys Ala Gly Thr Gly Gly Cys Thr Gly Gly Cys
        755                 760                 765


Thr Gly Cys Thr Cys Gly Thr Gly Cys Thr Gly Gly Thr Gly Gly Thr
    770                 775                 780


Gly Gly Ala Gly Gly Thr Gly Gly Cys Gly Gly Cys Gly Gly Ala Gly
785                 790                 795                 800


Gly Thr Ala Thr Thr Gly Ala Gly Gly Gly Cys Cys Cys Ala Ala Cys
                805                 810                 815


Cys Cys Thr Thr Cys Gly Cys Cys Ala Ala Thr Gly Gly Cys Thr Thr
            820                 825                 830


Gly Cys Ala Gly Cys Ala Cys Gly Cys Gly Cys Ala Thr Ala Ala
        835                 840                 845


<210>  1035
<211>  266
<212>  PRT
<213>  Artificial sequence

<220>
<223>  Synthetic peptide

<400>  1035

Met Val Asp Gly Cys Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser
1               5                   10                  15


Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr
            20                  25                  30
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Leu Thr Pro Lys Val Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp
        35                  40                  45

Pro Glu Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val His Thr
    50                  55                  60

Ala Gln Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser
65                  70                  75                  80

Val Ser Glu Leu Pro Ile Met His Gln Asp Trp Leu Asn Gly Lys Glu
                85                  90                  95

Phe Lys Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys
            100                 105                 110

Thr Ile Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr

        115                 120                 125

Ile Pro Pro Pro Lys Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr
    130                 135                 140

Cys Met Ile Thr Asp Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln
145                 150                 155                 160

Trp Asn Gly Gln Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met
                165                 170                 175

Asp Thr Asp Gly Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys
            180                 185                 190

Ser Asn Trp Glu Ala Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu
        195                 200                 205

Gly Leu His Asn His His Thr Glu Lys Ser Leu Ser His Ser Pro Gly
    210                 215                 220

Lys Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
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225 230 235 240

Ala Ala Arg Ala Gly Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro
245 250 255

Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
260 265

<210> 1036
<211> 14
<212> PRT
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<220>
<223> Synthetic peptide

<400> 1036

Lys Asp Lys Cys Lys Met Trp His Trp Met Cys Lys Pro Pro
1 5 10

<210> 1037
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1037

Lys Asp Leu Cys Ala Met Trp His Trp Met Cys Lys Pro Pro
1 5 10

<210> 1038
<211> 14
<212> PRT
<213> Artificial sequence

<220>
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<400> 1038

Lys Asp Leu Cys Lys Met Trp Lys Trp Met Cys Lys Pro Pro
1 5 10

<210> 1039
<211> 14
<212> PRT
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<220>
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<400> 1039

Lys Asp Leu Cys Lys Met Trp His Trp Met Cys Lys Pro Lys
1 5 10

<210> 1040
<211> 14
<212> PRT
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<220>
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<400> 1040

Trp Tyr Pro Cys Tyr Glu Phe His Phe Trp Cys Tyr Asp Leu
1 5 10

<210> 1041
<211> 14
<212> PRT
<213> Artificial sequence

<220>
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<400> 1041

Trp Tyr Pro Cys Tyr Glu Gly His Phe Trp Cys Tyr Asp Leu
1 5 10

<210> 1042
<211> 14
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1042

Ile Phe Gly Cys Lys Trp Trp Asp Val Gln Cys Tyr Gln Phe
1 5 10

<210> 1043
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1043

Ile Phe Gly Cys Lys Trp Trp Asp Val Asp Cys Tyr Gln Phe
1 5 10

<210> 1044
<211> 14
<212> PRT
<213> Artificial sequence

<220>
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<400> 1044

Ala Asp Trp Cys Val Ser Pro Asn Trp Phe Cys Met Val Met
1 5 10

<210> 1045
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1045

His Lys Phe Cys Pro Trp Trp Ala Leu Phe Cys Trp Asp Phe

1 5 10

<210> 1046
<211> 14
<212> PRT
<213> Artificial sequence

<220>
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<400> 1046

Lys Asp Leu Cys Lys Met Trp His Trp Met Cys Lys Pro Pro
1 5 10

<210> 1047
<211> 14
<212> PRT
<213> Artificial sequence

<220>
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<400> 1047

Ile Asp Lys Cys Ala Ile Trp Gly Trp Met Cys Pro Pro Leu
1 5 10

<210> 1048
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1048

Trp Tyr Pro Cys Gly Glu Phe Gly Met Trp Cys Leu Asn Val
1 5 10

<210> 1049
<211> 11
<212> PRT
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<220>
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<400> 1049

Trp Phe Thr Cys Leu Trp Asn Cys Asp Asn Glu
1   5   10

<210> 1050
<211> 14
<212> PRT
<213> Artificial sequence

<220>
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<400> 1050

His Thr Pro Cys Pro Trp Phe Ala Pro Leu Cys Val Glu Trp
1   5   10

<210> 1051
<211> 14
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1051

Lys Glu Trp Cys Trp Arg Trp Lys Trp Met Cys Lys Pro Glu
1   5   10

<210> 1052
<211> 14
<212> PRT
<213> Artificial sequence

<220>
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<400> 1052

Phe Glu Thr Cys Pro Ser Trp Ala Tyr Phe Cys Leu Asp Ile

1 5 10

<210> 1053
<211> 14
<212> PRT
<213> Artificial sequence

<220>
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<400> 1053

Ala Tyr Lys Cys Glu Ala Asn Asp Trp Gly Cys Trp Trp Leu
1 5 10

<210> 1054
<211> 14
<212> PRT
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<220>
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<400> 1054

Asn Ser Trp Cys Glu Asp Gln Trp His Arg Cys Trp Trp Leu
1 5 10

<210> 1055
<211> 14
<212> PRT
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<220>
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<400> 1055

Trp Ser Ala Cys Tyr Ala Gly His Phe Trp Cys Tyr Asp Leu
1 5 10

<210> 1056
<211> 14
<212> PRT
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<220>
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<400> 1056

Ala Asn Trp Cys Val Ser Pro Asn Trp Phe Cys Met Val Met
1   5   10

<210> 1057
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1057

Trp Thr Glu Cys Tyr Gln Gln Glu Phe Trp Cys Trp Asn Leu
1   5   10

<210> 1058
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1058

Glu Asn Thr Cys Glu Arg Trp Lys Trp Met Cys Pro Pro Lys
1   5   10

<210> 1059
<211> 14
<212> PRT
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<220>
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<400> 1059

Trp Leu Pro Cys His Gln Glu Gly Phe Trp Cys Met Asn Phe
1   5   10

<210> 1060
<211> 14
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1060

Ser Thr Met Cys Ser Gln Trp His Trp Met Cys Asn Pro Phe
1 5 10

<210> 1061
<211> 14
<212> PRT
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<220>
<223> Synthetic peptide

<400> 1061

Ile Phe Gly Cys His Trp Trp Asp Val Asp Cys Tyr Gln Phe
1 5 10

<210> 1062
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1062

Ile Tyr Gly Cys Lys Trp Trp Asp Ile Gln Cys Tyr Asp Ile
1 5 10

<210> 1063
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1063

Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys Phe Trp
1   5   10

<210> 1064
<211> 14
<212> PRT
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<220>
<223> Synthetic peptide

<400> 1064

Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr
1   5   10

<210> 1065
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1065

Trp Gln Glu Cys Tyr Arg Glu Gly Phe Trp Cys Leu Gln Thr
1   5   10

<210> 1066
<211> 14
<212> PRT
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<220>
<223> Synthetic peptide

<400> 1066

Trp Phe Asp Cys Tyr Gly Pro Gly Phe Lys Cys Trp Ser Pro
1   5   10

<210> 1067
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1067

Gly Val Arg Cys Pro Lys Gly His Leu Trp Cys Leu Tyr Pro
1 5 10

<210> 1068
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1068

His Trp Ala Cys Gly Tyr Trp Pro Trp Ser Cys Lys Trp Val
1 5 10

<210> 1069
<211> 14
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1069

Gly Pro Ala Cys His Ser Pro Trp Trp Trp Cys Val Phe Gly
1 5 10

<210> 1070
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1070

Thr Thr Trp Cys Ile Ser Pro Met Trp Phe Cys Ser Gln Gln
1   5   10

<210> 1071
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1071

His Lys Phe Cys Pro Pro Trp Ala Ile Phe Cys Trp Asp Phe
1   5   10

<210> 1072
<211> 14
<212> PRT
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<220>
<223> Synthetic peptide

<400> 1072

Pro Asp Trp Cys Val Ser Pro Arg Trp Tyr Cys Asn Met Trp
1   5   10

<210> 1073
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1073

Val Trp Lys Cys His Trp Phe Gly Met Asp Cys Glu Pro Thr
1   5   10

<210> 1074
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1074

Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys
1 5 10

<210> 1075
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1075

Trp Phe Gln Cys Gly Ser Thr Leu Phe Trp Cys Tyr Asn Leu
1 5 10

<210> 1076
<211> 14
<212> PRT
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<220>
<223> Synthetic peptide

<400> 1076

Trp Ser Pro Cys Tyr Asp His Tyr Phe Tyr Cys Tyr Thr Ile
1 5 10

<210> 1077
<211> 14
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1077

Ser Trp Met Cys Gly Phe Phe Lys Glu Val Cys Met Trp Val
1 5 10

<210> 1078
<211> 14
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1078

Glu Met Leu Cys Met Ile His Pro Val Phe Cys Asn Pro His
1 5 10

<210> 1079
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1079

Leu Lys Thr Cys Asn Leu Trp Pro Trp Met Cys Pro Pro Leu
1 5 10

<210> 1080
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1080

Val Val Gly Cys Lys Trp Tyr Glu Ala Trp Cys Tyr Asn Lys
1 5 10

<210> 1081
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1081

Pro Ile His Cys Thr Gln Trp Ala Trp Met Cys Pro Pro Thr
1 5 10

<210> 1082
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1082

Asp Ser Asn Cys Pro Trp Tyr Phe Leu Ser Cys Val Ile Phe
1 5 10

<210> 1083
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1083

His Ile Trp Cys Asn Leu Ala Met Met Lys Cys Val Glu Met
1 5 10

<210> 1084
<211> 14
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1084

Asn Leu Gln Cys Ile Tyr Phe Leu Gly Lys Cys Ile Tyr Phe
1 5 10

<210> 1085
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1085

Ala Trp Arg Cys Met Trp Phe Ser Asp Val Cys Thr Pro Gly
1 5 10

<210> 1086
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1086

Trp Phe Arg Cys Phe Leu Asp Ala Asp Trp Cys Thr Ser Val
1 5 10

<210> 1087
<211> 14
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1087

Glu Lys Ile Cys Gln Met Trp Ser Trp Met Cys Ala Pro Pro
1 5 10

<210> 1088
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1088

Trp Phe Tyr Cys His Leu Asn Lys Ser Glu Cys Thr Glu Pro
1 5 10

<210> 1089
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1089

Phe Trp Arg Cys Ala Ile Gly Ile Asp Lys Cys Lys Arg Val
1 5 10

<210> 1090
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1090

Asn Leu Gly Cys Lys Trp Tyr Glu Val Trp Cys Phe Thr Tyr
1 5 10

<210> 1091
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1091

Ile Asp Leu Cys Asn Met Trp Asp Gly Met Cys Tyr Pro Pro
1 5 10

<210> 1092
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1092

Glu Met Pro Cys Asn Ile Trp Gly Trp Met Cys Pro Pro Val
1 5 10

<210> 1093
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1093

Trp Phe Arg Cys Val Leu Thr Gly Ile Val Asp Trp Ser Glu Cys Phe
1 5 10 15

Gly Leu

<210> 1094
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1094

Gly Phe Ser Cys Thr Phe Gly Leu Asp Glu Phe Tyr Val Asp Cys Ser
1 5 10 15

Pro Phe

<210> 1095
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1095

Leu Pro Trp Cys His Asp Gln Val Asn Ala Asp Trp Gly Phe Cys Met
1 5 10 15

Leu Trp

<210> 1096
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1096

Tyr Pro Thr Cys Ser Glu Lys Phe Trp Ile Tyr Gly Gln Thr Cys Val
1 5 10 15

Leu Trp

<210> 1097
<211> 18
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1097

Leu Gly Pro Cys Pro Ile His His Gly Pro Trp Pro Gln Tyr Cys Val
1 5 10 15

Tyr Trp

<210> 1098
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1098

Pro Phe Pro Cys Glu Thr His Gln Ile Ser Trp Leu Gly His Cys Leu
1 5 10 15

Ser Phe

<210> 1099

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

<220>
<223> Synthetic peptide

<400> 1099

His Trp Gly Cys Glu Asp Leu Met Trp Ser Trp His Pro Leu Cys Arg
1 5 10 15

Arg Pro

<210> 1100

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

<220>
<223> Synthetic peptide

<400> 1100

Leu Pro Leu Cys Asp Ala Asp Met Met Pro Thr Ile Gly Phe Cys Val
1 5 10 15

Ala Tyr

<210> 1101
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1101

Ser His Trp Cys Glu Thr Thr Phe Trp Met Asn Tyr Ala Lys Cys Val
1 5 10 15

His Ala

<210> 1102
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1102

Leu Pro Lys Cys Thr His Val Pro Phe Asp Gln Gly Gly Phe Cys Leu
1 5 10 15

Trp Tyr

<210> 1103
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1103

Phe Ser Ser Cys Trp Ser Pro Val Ser Arg Gln Asp Met Phe Cys Val
1 5 10 15

Phe Tyr

<210> 1104
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1104

Ser His Lys Cys Glu Tyr Ser Gly Trp Leu Gln Pro Leu Cys Tyr Arg
1 5 10 15

Pro

<210> 1105
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1105

Pro Trp Trp Cys Gln Asp Asn Tyr Val Gln His Met Leu His Cys Asp
1 5 10 15

Ser Pro

<210> 1106

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

<220>
<223> Synthetic peptide

<400> 1106

Trp Phe Arg Cys Met Leu Met Asn Ser Phe Asp Ala Phe Gln Cys Val
1 5 10 15

Ser Tyr

<210> 1107
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1107

Pro Asp Ala Cys Arg Asp Gln Pro Trp Tyr Met Phe Met Gly Cys Met
1 5 10 15

Leu Gly

<210> 1108
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1108

Phe Leu Ala Cys Phe Val Glu Phe Glu Leu Cys Phe Asp Ser
1   5   10

<210> 1109
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1109

Ser Ala Tyr Cys Ile Ile Thr Glu Ser Asp Pro Tyr Val Leu Cys Val
1   5   10   15

Pro Leu

<210> 1110
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1110

Pro Ser Ile Cys Glu Ser Tyr Ser Thr Met Trp Leu Pro Met Cys Gln
1   5   10   15

His Asn

<210> 1111
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1111

Trp Leu Asp Cys His Asp Asp Ser Trp Ala Trp Thr Lys Met Cys Arg
1   5   10   15

Ser His

<210> 1112
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1112

Tyr Leu Asn Cys Val Met Met Asn Thr Ser Pro Phe Val Glu Cys Val
1   5   10   15

Phe Asn

<210> 1113
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1113

Tyr Pro Trp Cys Asp Gly Phe Met Ile Gln Gln Gly Ile Thr Cys Met
1   5   10   15

Phe Tyr

<210> 1114
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1114

Phe Asp Tyr Cys Thr Trp Leu Asn Gly Phe Lys Asp Trp Lys Cys Trp
1 5 10 15

Ser Arg

<210> 1115
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1115

Leu Pro Leu Cys Asn Leu Lys Glu Ile Ser His Val Gln Ala Cys Val
1 5 10 15

Leu Phe

<210> 1116
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1116

Ser Pro Glu Cys Ala Phe Ala Arg Trp Leu Gly Ile Glu Gln Cys Gln
1 5 10 15

Arg Asp

<210> 1117
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1117

Tyr Pro Gln Cys Phe Asn Leu His Leu Leu Glu Trp Thr Glu Cys Asp
1 5 10 15

Trp Phe

<210> 1118
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1118

Arg Trp Arg Cys Glu Ile Tyr Asp Ser Glu Phe Leu Pro Lys Cys Trp
1 5 10 15

Phe Phe

<210> 1119
<211> 14
<212> PRT
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<220>
<223> Synthetic peptide

<400> 1119

Leu Val Gly Cys Asp Asn Val Trp His Arg Cys Lys Leu Phe
1 5 10

<210> 1120
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1120

Ala Gly Trp Cys His Val Trp Gly Glu Met Phe Gly Met Gly Cys Ser
1 5 10 15

Ala Leu

<210> 1121
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1121

His His Glu Cys Glu Trp Met Ala Arg Trp Met Ser Leu Asp Cys Val
1 5 10 15

Gly Leu

<210> 1122
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1122

Phe Pro Met Cys Gly Ile Ala Gly Met Lys Asp Phe Asp Phe Cys Val
1 5 10 15

Trp Tyr

<210> 1123
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1123

Arg Asp Asp Cys Thr Phe Trp Pro Glu Trp Leu Trp Lys Leu Cys Glu
1 5 10 15

Arg Pro

<210> 1124

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

<220>
<223> Synthetic peptide

<400> 1124

Tyr Asn Phe Cys Ser Tyr Leu Phe Gly Val Ser Lys Glu Ala Cys Gln
1 5 10 15

Leu Pro

<210> 1125
<211> 18
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1125

Ala His Trp Cys Glu Gln Gly Pro Trp Arg Tyr Gly Asn Ile Cys Met
1 5 10 15

Ala Tyr

<210> 1126
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1126

Asn Leu Val Cys Gly Lys Ile Ser Ala Trp Gly Asp Glu Ala Cys Ala
1 5 10 15

Arg Ala

<210> 1127
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1127

His Asn Val Cys Thr Ile Met Gly Pro Ser Met Lys Trp Phe Cys Trp
1 5 10 15

Asn Asp

<210> 1128
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1128

Asn Asp Leu Cys Ala Met Trp Gly Trp Arg Asn Thr Ile Trp Cys Gln
1 5 10 15

Asn Ser

<210> 1129
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1129

Pro Pro Phe Cys Gln Asn Asp Asn Asp Met Leu Gln Ser Leu Cys Lys
1 5 10 15

Leu Leu

<210> 1130
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1130

Trp Tyr Asp Cys Asn Val Pro Asn Glu Leu Leu Ser Gly Leu Cys Arg
1 5 10 15

Leu Phe

<210> 1131

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

<220>
<223> Synthetic peptide

<400> 1131

Tyr Gly Asp Cys Asp Gln Asn His Trp Met Trp Pro Phe Thr Cys Leu
1 5 10 15

Ser Leu

<210> 1132
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1132

Gly Trp Met Cys His Phe Asp Leu His Asp Trp Gly Ala Thr Cys Gln
1 5 10 15

Pro Asp

<210> 1133
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1133

Tyr Phe His Cys Met Phe Gly Gly His Glu Phe Glu Val His Cys Glu
1 5 10 15

Ser Phe

<210> 1134
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1134

Ala Tyr Trp Cys Trp His Gly Gln Cys Val Arg Phe
1 5 10

<210> 1135
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1135

Ser Glu His Trp Thr Phe Thr Asp Trp Asp Gly Asn Glu Trp Trp Val
1 5 10 15

Arg Pro Phe

<210> 1136
<211> 20
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1136

Met Glu Met Leu Asp Ser Leu Phe Glu Leu Leu Lys Asp Met Val Pro
1 5 10 15

Ile Ser Lys Ala
20

<210> 1137
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1137

Ser Pro Pro Glu Glu Ala Leu Met Glu Trp Leu Gly Trp Gln Tyr Gly
1 5 10 15

Lys Phe Thr

<210> 1138
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1138

Ser Pro Glu Asn Leu Leu Asn Asp Leu Tyr Ile Leu Met Thr Lys Gln
1 5 10 15

Glu Trp Tyr Gly
20

<210> 1139

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

<220>
<223> Synthetic peptide

<400> 1139

Phe His Trp Glu Glu Gly Ile Pro Phe His Val Val Thr Pro Tyr Ser
1 5 10 15

Tyr Asp Arg Met
20

<210> 1140
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1140

Lys Arg Leu Leu Glu Gln Phe Met Asn Asp Leu Ala Glu Leu Val Ser
1 5 10 15

Gly His Ser

<210> 1141
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1141

Asp Thr Arg Asp Ala Leu Phe Gln Glu Phe Tyr Glu Phe Val Arg Ser
1 5 10 15

Arg Leu Val Ile
20

<210> 1142
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1142

Arg Met Ser Ala Ala Pro Arg Pro Leu Thr Tyr Arg Asp Ile Met Asp
1 5 10 15

Gln Tyr Trp His
20

<210> 1143
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1143

Asn Asp Lys Ala His Phe Phe Glu Met Phe Met Phe Asp Val His Asn
1 5 10 15

Phe Val Glu Ser
20

<210> 1144
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1144

Gln Thr Gln Ala Gln Lys Ile Asp Gly Leu Trp Glu Leu Leu Gln Ser
1 5 10 15

Ile Arg Asn Gln
20

<210> 1145
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1145

Met Leu Ser Glu Phe Glu Glu Phe Leu Gly Asn Leu Val His Arg Gln
1 5 10 15

Glu Ala

<210> 1146
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1146

Tyr Thr Pro Lys Met Gly Ser Glu Trp Thr Ser Phe Trp His Asn Arg
1 5 10 15

Ile His Tyr Leu
20

<210> 1147
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1147

Leu Asn Asp Thr Leu Leu Arg Glu Leu Lys Met Val Leu Asn Ser Leu
1   5   10   15

Ser Asp Met Lys
            20

<210> 1148
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1148

Phe Asp Val Glu Arg Asp Leu Met Arg Trp Leu Glu Gly Phe Met Gln
1   5   10   15

Ser Ala Ala Thr
            20

<210> 1149
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1149

His His Gly Trp Asn Tyr Leu Arg Lys Gly Ser Ala Pro Gln Trp Phe
1   5   10   15

Glu Ala Trp Val
            20

<210> 1150
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1150

Val Glu Ser Leu His Gln Leu Gln Met Trp Leu Asp Gln Lys Leu Ala
1 5 10 15

Ser Gly Pro His
20

<210> 1151
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1151

Arg Ala Thr Leu Leu Lys Asp Phe Trp Gln Leu Val Glu Gly Tyr Gly
1 5 10 15

Asp Asn

<210> 1152
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1152

Glu Glu Leu Leu Arg Glu Phe Tyr Arg Phe Val Ser Ala Phe Asp Tyr
1 5 10 15

<210> 1153
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1153

Gly Leu Leu Asp Glu Phe Ser His Phe Ile Ala Glu Gln Phe Tyr Gln
1 5 10 15

Met Pro Gly Gly
20

<210> 1154
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1154

Tyr Arg Glu Met Ser Met Leu Glu Gly Leu Leu Asp Val Leu Glu Arg
1 5 10 15

Leu Gln His Tyr
20

<210> 1155
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1155

His Asn Ser Ser Gln Met Leu Leu Ser Glu Leu Ile Met Leu Val Gly
1 5 10 15

Ser Met Met Gln
20

<210> 1156
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1156

Trp Arg Glu His Phe Leu Asn Ser Asp Tyr Ile Arg Asp Lys Leu Ile
1 5 10 15

Ala Ile Asp Gly
20

<210> 1157
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1157

Gln Phe Pro Phe Tyr Val Phe Asp Asp Leu Pro Ala Gln Leu Glu Tyr
1 5 10 15

Trp Ile Ala

<210> 1158
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1158

Glu Phe Phe His Trp Leu His Asn His Arg Ser Glu Val Asn His Trp
1 5 10 15

Leu Asp Met Asn
20

<210> 1159
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1159

Glu Ala Leu Phe Gln Asn Phe Phe Arg Asp Val Leu Thr Leu Ser Glu
1 5 10 15

Arg Glu Tyr

<210> 1160
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1160

Gln Tyr Trp Glu Gln Gln Trp Met Thr Tyr Phe Arg Glu Asn Gly Leu
1 5 10 15

His Val Gln Tyr
20

<210> 1161
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1161

Asn Gln Arg Met Met Leu Glu Asp Leu Trp Arg Ile Met Thr Pro Met
1   5   10   15

Phe Gly Arg Ser
            20

<210> 1162
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1162

Phe Leu Asp Glu Leu Lys Ala Glu Leu Ser Arg His Tyr Ala Leu Asp
1   5   10   15

Asp Leu Asp Glu
            20

<210> 1163

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

<220>
<223> Synthetic peptide

<400> 1163

Gly Lys Leu Ile Glu Gly Leu Leu Asn Glu Leu Met Gln Leu Glu Thr
1   5   10   15

Phe Met Pro Asp
            20

<210> 1164
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1164

Ile Leu Leu Leu Asp Glu Tyr Lys Lys Asp Trp Lys Ser Trp Phe
1 5 10 15

<210> 1165
<211> 50
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1165

Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro
35 40 45

Pro Tyr
50

<210> 1166
<211> 43
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1166

Trp Tyr Pro Cys Tyr Glu Gly His Phe Trp Cys Tyr Asp Leu Gly Ser
1 5 10 15

Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Trp Tyr Pro
20 25 30

Cys Tyr Glu Gly His Phe Trp Cys Tyr Asp Leu
35 40

<210> 1167
<211> 50
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1167

His Thr Pro Cys Pro Trp Phe Ala Pro Leu Cys Val Glu Trp Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly His Thr Pro Cys Pro Trp Phe Ala Pro Leu Cys Val
35 40 45

Glu Trp
50

<210> 1168
<211> 50
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1168

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Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys Phe Trp Gly Ser
1               5                   10                  15


Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
            20                  25                  30


Ser Ala Thr Gly Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys
        35                  40                  45


Phe Trp
    50


<210>  1169
<211>  50
<212>  PRT
<213>  Artificial sequence

<220>
<223>  Synthetic peptide

<400>  1169

Ala Asn Trp Cys Val Ser Pro Asn Trp Phe Cys Met Val Met Gly Ser
1               5                   10                  15


Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
            20                  25                  30


Ser Ala Thr Gly Ala Asn Trp Cys Val Ser Pro Asn Trp Phe Cys Met
        35                  40                  45


Val Met
    50


<210>  1170
<211>  50
<212>  PRT
<213>  Artificial sequence

<220>
<223>  Synthetic peptide
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<400> 1170

Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys Phe Trp Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys
35 40 45

Phe Trp
50

<210> 1171
<211> 50
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1171

His Trp Ala Cys Gly Tyr Trp Pro Trp Ser Cys Lys Trp Val Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly His Trp Ala Cys Gly Tyr Trp Pro Trp Ser Cys Lys
35 40 45

Trp Val
50

<210> 1172
<211> 50
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1172

Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro
35 40 45

Pro Tyr
50

<210> 1173
<211> 50
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1173

Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala

35 40 45

Pro Lys
50

<210> 1174
<211> 50
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1174

Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro
35 40 45

Pro Tyr
50

<210> 1175
<211> 36
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1175

Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met
20 25 30

Cys Pro Pro Tyr
35

<210> 1176
<211> 34
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1176

Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr Gly Gly
1   5   10   15

Gly Gly Gly Gly Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala
            20   25   30

Pro Lys

<210> 1177
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1177

Val Ala Leu His Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1   5   10   15

Gln Arg Glu Gly
            20

<210> 1178
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1178

Tyr Pro Glu Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1   5   10   15

Gln Thr Leu Ala
20

<210> 1179
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1179

Gly Leu Asn Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Asp Ser Asn
20

<210> 1180
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1180

Met Ile Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Pro Ser Gly
20

<210> 1181
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1181

Ala Gly Ala Gln Glu His Cys Thr Arg Trp Pro Trp Met Cys Ala Pro
1 5 10 15

Asn Asp Trp Ile
20

<210> 1182
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1182

Gly Val Asn Gln Gly Gln Cys Thr Arg Trp Arg Trp Met Cys Pro Pro
1 5 10 15

Asn Gly Trp Glu
20

<210> 1183
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1183

Leu Ala Asp His Gly Gln Cys Ile Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Glu Gly Trp Glu
20

<210> 1184
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1184

Ile Leu Glu Gln Ala Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1   5   10   15

Gln Arg Gly Gly
            20

<210> 1185
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1185

Thr Gln Thr His Ala Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1   5   10   15

Gln Trp Glu Gly
            20

<210> 1186
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1186

Val Val Thr Gln Gly His Cys Thr Leu Trp Pro Trp Met Cys Pro Pro
1   5   10   15

Gln Arg Trp Arg
            20

<210> 1187
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1187

Ile Tyr Pro His Asp Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Pro Tyr Pro
20

<210> 1188
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1188

Ser Tyr Trp Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Trp Arg Gly
20

<210> 1189
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1189

Met Trp Gln Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 1190
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1190

Glu Phe Thr Gln Trp His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Ser Gln
20

<210> 1191
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1191

Leu Asp Asp Gln Trp Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Phe Ser
20

<210> 1192
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1192

Tyr Gln Thr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Gln Arg
20

<210> 1193
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1193

Glu Ser Asn Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Gly Trp
20

<210> 1194
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1194

Trp Thr Asp Arg Gly Pro Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ala Asn Gly
20

<210> 1195
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1195

Val Gly Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1   5   10   15

Tyr Glu Thr Gly
            20

<210> 1196
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1196

Pro Tyr Glu Gln Gly Lys Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1   5   10   15

Tyr Glu Val Glu
            20

<210> 1197
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1197

Ser Glu Tyr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1   5   10   15

Gln Gly Trp Lys
            20

<210> 1198
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1198

Thr Phe Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 1199
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1199

Pro Gly Ala His Asp His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Arg Tyr
20

<210> 1200
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1200

Val Ala Glu Glu Trp His Cys Arg Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Asp Trp Arg
            20

<210> 1201
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1201

Val Gly Thr Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1   5   10   15

Gln Pro Ala Gly
            20

<210> 1202
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1202

Glu Glu Asp Gln Ala His Cys Arg Ser Trp Pro Trp Met Cys Pro Pro
1   5   10   15

Gln Gly Trp Val
            20

<210> 1203
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1203

Ala Asp Thr Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln His Trp Phe
20

<210> 1204
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1204

Ser Gly Pro Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Ala Pro
1 5 10 15

Gln Gly Trp Phe
20

<210> 1205
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1205

Thr Leu Val Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Val
20

<210> 1206
<211> 20
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1206

Gly Met Ala His Gly Lys Cys Thr Arg Trp Ala Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Trp Lys
20

<210> 1207
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1207

Glu Leu Tyr His Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Trp Ala
20

<210> 1208
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1208

Val Ala Asp His Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 1209
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1209

Pro Glu Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 1210
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1210

Ile Pro Ala His Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Arg
20

<210> 1211
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1211

Phe Thr Val His Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro

1 5 10 15

Tyr Gly Trp Val
20

<210> 1212
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1212

Pro Asp Phe Pro Gly His Cys Thr Arg Trp Arg Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Glu
20

<210> 1213
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1213

Gln Leu Trp Gln Gly Pro Cys Thr Gln Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Lys Gly Arg Tyr
20

<210> 1214
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1214

His Ala Asn Asp Gly His Cys Thr Arg Trp Gln Trp Met Cys Pro Pro
1 5 10 15

Gln Trp Gly Gly
20

<210> 1215
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1215

Glu Thr Asp His Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Tyr Gly Ala Arg
20

<210> 1216
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1216

Gly Thr Trp Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gln
20

<210> 1217
<211> 20

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1217

Val Ala Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 1218
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1218

Val Ala Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Gly
20

<210> 1219
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1219

Gln Arg Glu Trp Tyr Pro Cys Tyr Gly Gly His Leu Trp Cys Tyr Asp
1 5 10 15

Leu His Lys Ala

20

<210> 1220
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1220

Ile Ser Ala Trp Tyr Ser Cys Tyr Ala Gly His Phe Trp Cys Trp Asp
1 5 10 15

Leu Lys Gln Lys
20

<210> 1221
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1221

Trp Thr Gly Trp Tyr Gln Cys Tyr Gly Gly His Leu Trp Cys Tyr Asp
1 5 10 15

Leu Arg Arg Lys
20

<210> 1222
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1222

Lys Thr Phe Trp Tyr Pro Cys Tyr Asp Gly His Phe Trp Cys Tyr Asn
1 5 10 15

Leu Lys Ser Ser
20

<210> 1223
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1223

Glu Ser Arg Trp Tyr Pro Cys Tyr Glu Gly His Leu Trp Cys Phe Asp
1 5 10 15

Leu Thr Glu Thr
20

<210> 1224
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1224

Met Glu Met Leu Asp Ser Leu Phe Glu Leu Leu Lys Asp Met Val Pro
1 5 10 15

Ile Ser Lys Ala
20

<210> 1225
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1225

Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1   5   10   15

Pro Met Ser Lys Ala Gly
            20

<210> 1226
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1226

Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1   5   10   15

Pro Met Ser Lys Ala Arg
            20

<210> 1227
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1227

Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1   5   10   15

Pro Met Ser Lys Pro Ser
            20

<210> 1228

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

<220>
<223> Synthetic peptide

<400> 1228

Gly Met Glu Met Leu Glu Ser Leu Phe Glu Leu Leu Gln Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Pro
20

<210> 1229
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1229

Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Ile Ser Asn Pro Pro
20

<210> 1230
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1230

Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Gln Glu Ile Val
1 5 10 15

Pro Ile Ser Lys Ala Glu
            20

<210> 1231
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1231

Arg Met Glu Met Leu Gln Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1   5   10   15

Pro Met Ser Asn Ala Arg
            20

<210> 1232
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1232

Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1   5   10   15

Pro Thr Ser Asn Gly Thr
            20

<210> 1233
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1233

Arg Met Glu Met Leu Glu Ser Leu Phe Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Gly
            20

<210> 1234
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1234

Arg Met Glu Met Leu Gly Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Arg
            20

<210> 1235
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1235

Gln Met Glu Leu Leu Asp Ser Leu Phe Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Lys Ser Gln Pro Ala
            20

<210> 1236
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1236

Arg Met Glu Met Leu Asp Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1   5   10   15

Pro Met Ser Asn Ala Arg
            20

<210> 1237
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1237

Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu His Glu Ile Val
1   5   10   15

Pro Met Ser Gln Ala Gly
            20

<210> 1238
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1238

Gln Met Glu Met Leu Glu Ser Leu Leu Gln Leu Leu Lys Glu Ile Val
1   5   10   15

Pro Met Ser Lys Ala Ser
            20

<210> 1239
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1239

Arg Met Glu Met Leu Asp Ser Leu Leu Glu Leu Leu Lys Asp Met Val
1 5 10 15

Pro Met Thr Thr Gly Ala
20

<210> 1240
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1240

Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Met Val
1 5 10 15

Pro Met Ala Asn Ala Ser
20

<210> 1241
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1241

Arg Met Glu Met Leu Glu Ser Leu Leu Gln Leu Leu Asn Glu Ile Val
1 5 10 15

Pro Met Ser Arg Ala Arg
            20

<210> 1242
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1242

Arg Met Glu Met Leu Glu Ser Leu Phe Asp Leu Leu Lys Glu Leu Val
1   5   10   15

Pro Met Ser Lys Gly Val
            20

<210> 1243
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1243

Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1   5   10   15

Pro Ile Gln Lys Ala Arg
            20

<210> 1244
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1244

Arg Met Glu Leu Leu Glu Ser Leu Phe Glu Leu Leu Lys Asp Met Val
1 5 10 15

Pro Met Ser Asp Ser Ser
20

<210> 1245
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1245

Arg Met Glu Met Leu Glu Ser Leu Leu Glu Val Leu Gln Glu Ile Val
1 5 10 15

Pro Arg Ala Lys Gly Ala
20

<210> 1246
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1246

Arg Met Glu Met Leu Asp Ser Leu Leu Gln Leu Leu Asn Glu Ile Val
1 5 10 15

Pro Met Ser His Ala Arg
20

<210> 1247
<211> 22
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1247

Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Met Ser Asn Ala Gly
20

<210> 1248
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1248

Arg Met Glu Met Leu Gln Ser Leu Phe Glu Leu Leu Lys Gly Met Val
1 5 10 15

Pro Ile Ser Lys Ala Gly
20

<210> 1249
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1249

Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Asn Ser Thr Ala Ala
20

<210> 1250
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1250

Arg Met Glu Met Leu Gln Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Ile Ser Lys Ala Gly
20

<210> 1251
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1251

Arg Ile Glu Met Leu Asp Ser Leu Leu Glu Leu Leu Asn Glu Leu Val
1 5 10 15

Pro Met Ser Lys Ala Arg
20

<210> 1252
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1252

His His Gly Trp Asn Tyr Leu Arg Lys Gly Ser Ala Pro Gln Trp Phe
1 5 10 15

Glu Ala Trp Val
            20

<210> 1253
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1253

Gln Val Glu Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1   5   10   15

Ala Ser Gly Pro Gln Gly
            20

<210> 1254
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1254

Arg Met Glu Leu Leu Glu Ser Leu Phe Glu Leu Leu Lys Glu Met Val
1   5   10   15

Pro Arg Ser Lys Ala Val
            20

<210> 1255
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1255

Gln Ala Val Ser Leu Gln His Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln His
20

<210> 1256
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1256

Asp Glu Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Leu
20

<210> 1257
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1257

Pro Val Ala Ser Leu Gln Gln Leu Leu Ile Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Gln Gly Pro His Ala
20

<210> 1258
<211> 22

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1258

Glu Val Asp Glu Leu Gln Gln Leu Leu Asn Trp Leu Asp His Lys Leu
1   5   10   15

Ala Ser Gly Pro Leu Gln
            20

<210> 1259
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1259

Asp Val Glu Ser Leu Glu Gln Leu Leu Met Trp Leu Asp His Gln Leu
1   5   10   15

Ala Ser Gly Pro His Gly
            20

<210> 1260
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1260

Gln Val Asp Ser Leu Gln Gln Val Leu Leu Trp Leu Glu His Lys Leu
1   5   10   15

Ala Leu Gly Pro Gln Val

20

<210> 1261
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1261

Gly Asp Glu Ser Leu Gln His Leu Leu Met Trp Leu Glu Gln Lys Leu
1 5 10 15

Ala Leu Gly Pro His Gly
20

<210> 1262
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1262

Gln Ile Glu Met Leu Glu Ser Leu Leu Asp Leu Leu Arg Asp Met Val
1 5 10 15

Pro Met Ser Asn Ala Phe
20

<210> 1263
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1263

Glu Val Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu

1 5 10 15

Ala Ser Gly Pro Gln Ala
20

<210> 1264
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1264

Glu Asp Glu Ser Leu Gln Gln Leu Leu Ile Tyr Leu Asp Lys Met Leu
1 5 10 15

Ser Ser Gly Pro Gln Val
20

<210> 1265
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1265

Ala Met Asp Gln Leu His Gln Leu Leu Ile Trp Leu Asp His Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Ala
20

<210> 1266
<211> 22
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1266

Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Asp Glu Ile Ala
1 5 10 15

Leu Ile Pro Lys Ala Trp
20

<210> 1267
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1267

Glu Val Val Ser Leu Gln His Leu Leu Met Trp Leu Glu His Lys Leu
1 5 10 15

Ala Ser Gly Pro Asp Gly
20

<210> 1268
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1268

Gly Gly Glu Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Gln Leu
1 5 10 15

Ala Ser Gly Pro Gln Arg
20

<210> 1269

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

<220>
<223> Synthetic peptide

<400> 1269

Gly Val Glu Ser Leu Gln Gln Leu Leu Ile Phe Leu Asp His Met Leu
1 5 10 15

Val Ser Gly Pro His Asp
20

<210> 1270
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1270

Asn Val Glu Ser Leu Glu His Leu Met Met Trp Leu Glu Arg Leu Leu
1 5 10 15

Ala Ser Gly Pro Tyr Ala
20

<210> 1271
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1271

Gln Val Asp Ser Leu Gln Gln Leu Leu Ile Trp Leu Asp His Gln Leu
1 5 10 15

Ala Ser Gly Pro Lys Arg
            20

<210> 1272
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1272

Glu Val Glu Ser Leu Gln Gln Leu Leu Met Trp Leu Glu His Lys Leu
1   5   10   15

Ala Gln Gly Pro Gln Gly
            20

<210> 1273
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1273

Glu Val Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1   5   10   15

Ala Ser Gly Pro His Ala
            20

<210> 1274
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1274

Glu Val Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Gln Leu
1 5 10 15

Ala Ser Gly Pro Gln Lys
            20

<210> 1275
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1275

Gly Val Glu Gln Leu Pro Gln Leu Leu Met Trp Leu Glu Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Arg
            20

<210> 1276
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1276

Gly Glu Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Gln Leu
1 5 10 15

Ala Ala Gly Pro Gln Val
            20

<210> 1277
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1277

Ala Asp Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Arg Lys Leu
1   5   10   15

Ala Ser Gly Pro His Val
            20

<210> 1278
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1278

Pro Val Asp Ser Leu Gln Gln Leu Leu Ile Trp Leu Asp Gln Lys Leu
1   5   10   15

Ala Ser Gly Pro Gln Gly
            20

<210> 1279
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1279

Arg Ala Thr Leu Leu Lys Asp Phe Trp Gln Leu Val Glu Gly Tyr Gly
1   5   10   15

Asp Asn

<210> 1280
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1280

Asp Trp Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1 5 10 15

Leu Gly Asp Asn Leu Val
20

<210> 1281
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1281

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

Leu Gly Asp Lys Gln Ala
20

<210> 1282
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1282

Asp Gly Arg Ala Thr Leu Leu Thr Glu Phe Trp Gln Leu Val Gln Gly
1 5 10 15

Leu Gly Gln Lys Glu Ala
            20

<210> 1283
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1283

Leu Ala Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1   5   10   15

Leu Gly Glu Lys Val Val
            20

<210> 1284
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1284

Gly Ser Arg Asp Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Val Gly
1   5   10   15

Leu Gly Asp Met Gln Thr
            20

<210> 1285
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1285

Asp Ala Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Asp Ala
1 5 10 15

Tyr Gly Asp Arg Met Val
20

<210> 1286
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1286

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

Leu Gly Val Lys Ser Trp
20

<210> 1287
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1287

Gly Val Arg Glu Thr Leu Leu Tyr Glu Leu Trp Tyr Leu Leu Lys Gly
1 5 10 15

Leu Gly Ala Asn Gln Gly
20

<210> 1288
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1288

Gln Ala Arg Ala Thr Leu Leu Lys Glu Phe Cys Gln Leu Val Gly Cys
1   5   10   15

Gln Gly Asp Lys Leu Ser
            20

<210> 1289
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1289

Gln Glu Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Ala Gly
1   5   10   15

Leu Gly Gln Asn Met Arg
            20

<210> 1290
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1290

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

Leu Gly Glu Tyr Arg Trp
            20

<210> 1291
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1291

Thr Met Arg Ala Thr Leu Leu Lys Glu Phe Trp Leu Phe Val Asp Gly
1 5 10 15

Gln Arg Glu Met Gln Trp
20

<210> 1292
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1292

Gly Glu Arg Ala Thr Leu Leu Asn Asp Phe Trp Gln Leu Val Asp Gly
1 5 10 15

Gln Gly Asp Asn Thr Gly
20

<210> 1293
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1293

Asp Glu Arg Glu Thr Leu Leu Lys Glu Phe Trp Gln Leu Val His Gly
1 5 10 15

Trp Gly Asp Asn Val Ala
            20

<210> 1294
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1294

Gly Gly Arg Ala Thr Leu Leu Lys Glu Leu Trp Gln Leu Leu Glu Gly
1   5   10   15

Gln Gly Ala Asn Leu Val
            20

<210> 1295
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1295

Thr Ala Arg Ala Thr Leu Leu Asn Glu Leu Val Gln Leu Val Lys Gly
1   5   10   15

Tyr Gly Asp Lys Leu Val
            20

<210> 1296
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1296

Gly Met Arg Ala Thr Leu Leu Gln Glu Phe Trp Gln Leu Val Gly Gly
1 5 10 15

Gln Gly Asp Asn Trp Met
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<210> 1297
<211> 22
<212> PRT
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<220>
<223> Synthetic peptide

<400> 1297

Ser Thr Arg Ala Thr Leu Leu Asn Asp Leu Trp Gln Leu Met Lys Gly
1 5 10 15

Trp Ala Glu Asp Arg Gly
20

<210> 1298
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1298

Ser Glu Arg Ala Thr Leu Leu Lys Glu Leu Trp Gln Leu Val Gly Gly
1 5 10 15

Trp Gly Asp Asn Phe Gly
20

<210> 1299
<211> 22

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1299

Val Gly Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1 5 10 15

Leu Val Gly Gln Ser Arg
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<210> 1300
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1300

Glu Ile Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Asp Glu
1 5 10 15

Trp Arg Glu Gln Pro Asn
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<210> 1301
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1301

Gln Leu Arg Ala Thr Leu Leu Lys Glu Phe Leu Gln Leu Val His Gly
1 5 10 15

Leu Gly Glu Thr Asp Ser
20

<210> 1302
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1302

Thr Gln Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Ile Glu Gly
1 5 10 15

Leu Gly Gly Lys His Val
20

<210> 1303
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1303

His Tyr Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Asp Gly
1 5 10 15

Leu Arg Glu Gln Gly Val
20

<210> 1304
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1304

Gln Ser Arg Val Thr Leu Leu Arg Glu Phe Trp Gln Leu Val Glu Ser

1 5 10 15

Tyr Arg Pro Ile Val Asn
20

<210> 1305
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1305

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

Gln Arg Asp Lys Arg Met
20

<210> 1306
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1306

Trp Asp Arg Ala Thr Leu Leu Asn Asp Phe Trp His Leu Met Glu Glu
1 5 10 15

Leu Ser Gln Lys Pro Gly
20

<210> 1307
<211> 22
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1307

Gln Glu Arg Ala Thr Leu Leu Lys Glu Phe Trp Arg Met Val Glu Gly
1 5 10 15

Leu Gly Lys Asn Arg Gly
20

<210> 1308
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1308

Asn Glu Arg Ala Thr Leu Leu Arg Glu Phe Trp Gln Leu Val Gly Gly
1 5 10 15

Tyr Gly Val Asn Gln Arg
20

<210> 1309
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1309

Tyr Arg Glu Met Ser Met Leu Glu Gly Leu Leu Asp Val Leu Glu Arg
1 5 10 15

Leu Gln His Tyr
20

<210> 1310

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

<220>
<223> Synthetic peptide

<400> 1310

His Gln Arg Asp Met Ser Met Leu Trp Glu Leu Leu Asp Val Leu Asp
1 5 10 15

Gly Leu Arg Gln Tyr Ser
20

<210> 1311
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1311

Thr Gln Arg Asp Met Ser Met Leu Asp Gly Leu Leu Glu Val Leu Asp
1 5 10 15

Gln Leu Arg Gln Gln Arg
20

<210> 1312
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1312

Thr Ser Arg Asp Met Ser Leu Leu Trp Glu Leu Leu Glu Glu Leu Asp
1 5 10 15

Arg Leu Gly His Gln Arg
            20

<210> 1313
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1313

Met Gln His Asp Met Ser Met Leu Tyr Gly Leu Val Glu Leu Leu Glu
1   5   10   15

Ser Leu Gly His Gln Ile
            20

<210> 1314
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1314

Trp Asn Arg Asp Met Arg Met Leu Glu Ser Leu Phe Glu Val Leu Asp
1   5   10   15

Gly Leu Arg Gln Gln Val
            20

<210> 1315
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1315

Gly Tyr Arg Asp Met Ser Met Leu Glu Gly Leu Leu Ala Val Leu Asp
1   5   10   15

Arg Leu Gly Pro Gln Leu
            20

<210> 1316
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1316

Thr Gln Arg Asp Met Ser Met Leu Glu Gly Leu Leu Glu Val Leu Asp
1   5   10   15

Arg Leu Gly Gln Gln Arg
            20

<210> 1317
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1317

Trp Tyr Arg Asp Met Ser Met Leu Glu Gly Leu Leu Glu Val Leu Asp
1   5   10   15

Arg Leu Gly Gln Gln Arg
            20

<210> 1318
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1318

His Asn Ser Ser Gln Met Leu Leu Ser Glu Leu Ile Met Leu Val Gly
1   5   10   15

Ser Met Met Gln
            20

<210> 1319
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1319

Thr Gln Asn Ser Arg Gln Met Leu Leu Ser Asp Phe Met Met Leu Val
1   5   10   15

Gly Ser Met Ile Gln Gly
            20

<210> 1320
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1320

Met Gln Thr Ser Arg His Ile Leu Leu Ser Glu Phe Met Met Leu Val
1   5   10   15

Gly Ser Ile Met His Gly
            20

<210> 1321
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1321

His Asp Asn Ser Arg Gln Met Leu Leu Ser Asp Leu Leu His Leu Val
1 5 10 15

Gly Thr Met Ile Gln Gly
20

<210> 1322
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1322

Met Glu Asn Ser Arg Gln Asn Leu Leu Arg Glu Leu Ile Met Leu Val
1 5 10 15

Gly Asn Met Ser His Gln
20

<210> 1323
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1323

Gln Asp Thr Ser Arg His Met Leu Leu Arg Glu Phe Met Met Leu Val
1 5 10 15

Gly Glu Met Ile Gln Gly
            20

<210> 1324
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1324

Asp Gln Asn Ser Arg Gln Met Leu Leu Ser Asp Leu Met Ile Leu Val
1   5   10   15

Gly Ser Met Ile Gln Gly
            20

<210> 1325
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1325

Glu Phe Phe His Trp Leu His Asn His Arg Ser Glu Val Asn His Trp
1   5   10   15

Leu Asp Met Asn
            20

<210> 1326
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1326

Asn Val Phe Phe Gln Trp Val Gln Lys His Gly Arg Val Val Tyr Gln
1 5 10 15

Trp Leu Asp Ile Asn Val
20

<210> 1327
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1327

Phe Asp Phe Leu Gln Trp Leu Gln Asn His Arg Ser Glu Val Glu His
1 5 10 15

Trp Leu Val Met Asp Val
20

<210> 1328

<400> 1328
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<210> 1329
<211> 54
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1329

Ala Gln Trp Tyr Pro Cys Tyr Glu Gly His Phe Trp Cys Tyr Asp Leu
1 5 10 15

Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
20 25 30

Ser Gly Ser Ala Thr Gly Trp Tyr Pro Cys Tyr Glu Gly His Phe Trp
35 40 45

Cys Tyr Asp Leu Leu Glu
50

<210> 1330
<211> 56
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1330

Met Gly Ala Gln Ile Phe Gly Cys Lys Trp Trp Asp Val Gln Cys Tyr
1 5 10 15

Gln Phe Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser
20 25 30

Ser Gly Ser Gly Ser Ala Thr Gly Ile Phe Gly Cys Lys Trp Trp Asp
35 40 45

Val Gln Cys Tyr Gln Phe Leu Glu
50 55

<210> 1331
<211> 54
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1331

Ala Gln Ile Phe Gly Cys Lys Trp Trp Asp Val Gln Cys Tyr Gln Phe
1 5 10 15

Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
20 25 30

Ser Gly Ser Ala Thr Gly Ile Phe Gly Cys Lys Trp Trp Asp Val Gln
35 40 45

Cys Tyr Gln Phe Leu Glu
50

<210> 1332
<211> 56
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1332

Met Gly Ala Gln Ile Phe Gly Cys Lys Trp Trp Asp Val Asp Cys Tyr
1 5 10 15

Gln Phe Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser
20 25 30

Ser Gly Ser Gly Ser Ala Thr Gly Ile Phe Gly Cys Lys Trp Trp Asp
35 40 45

Val Asp Cys Tyr Gln Phe Leu Glu
50 55

<210> 1333
<211> 54
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1333

Ala Gln Ile Phe Gly Cys Lys Trp Trp Asp Val Asp Cys Tyr Gln Phe
1 5 10 15

Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
            20   25   30

Ser Gly Ser Ala Thr Gly Ile Phe Gly Cys Lys Trp Trp Asp Val Asp
        35   40   45

Cys Tyr Gln Phe Leu Glu
    50

<210> 1334
<211> 68
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1334

Ala Gln Leu Ala Asp His Gly Gln Cys Ile Arg Trp Pro Trp Met Cys
1   5   10   15

Pro Pro Glu Gly Trp Glu Leu Glu Gly Ser Gly Ser Ala Thr Gly Gly
            20   25   30

Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Leu Ala
        35   40   45

Asp His Gly Gln Cys Ile Arg Trp Pro Trp Met Cys Pro Pro Glu Gly
    50   55   60

Trp Glu Leu Glu
65

<210> 1335
<211> 64
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1335

Ala Gln Leu Ala Asp His Gly Gln Cys Ile Arg Trp Pro Trp Met Cys
1   5   10   15

Pro Pro Glu Gly Trp Glu Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly
            20   25   30

Gly Gly Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Leu Ala Asp His
        35   40   45

Gly Gln Cys Ile Arg Trp Pro Trp Met Cys Pro Pro Glu Gly Trp Glu
    50   55   60

<210> 1336
<211> 68
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1336

Ala Gln Ser Glu Tyr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys
1   5   10   15

Pro Pro Gln Gly Trp Lys Leu Glu Gly Ser Gly Ser Ala Thr Gly Gly
            20   25   30

Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Ser Glu
        35   40   45

Tyr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly
    50   55   60

Trp Lys Leu Glu
65

<210> 1337
<211> 64
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1337

Ala Gln Ser Glu Tyr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys
1 5 10 15

Pro Pro Gln Gly Trp Lys Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly
20 25 30

Gly Gly Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Ser Glu Tyr Gln
35 40 45

Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Lys
50 55 60

<210> 1338
<211> 67
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1338

Ala Gln Thr Phe Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys
1 5 10 15

Pro Pro Gln Gly Trp Gly Leu Glu Gly Ser Gly Ser Ala Thr Gly Gly
20 25 30

Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Thr Phe
35 40 45

Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly
    50   55   60

Trp Gly Leu
65

<210> 1339
<211> 68
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1339

Ala Gln Val Ala Asp His Gly His Cys Thr Arg Trp Pro Trp Met Cys
1   5   10   15

Pro Pro Gln Gly Trp Gly Leu Glu Gly Ser Gly Ser Ala Thr Gly Gly
            20   25   30

Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Val Ala
        35   40   45

Asp His Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly
    50   55   60

Trp Gly Leu Glu
65

<210> 1340
<211> 64
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1340

Ala Gln Val Ala Asp His Gly His Cys Thr Arg Trp Pro Trp Met Cys
1   5   10   15

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Pro Pro Gln Gly Trp Gly Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly
            20                  25                  30


Gly Gly Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Val Ala Asp His
        35                  40                  45


Gly His Cys Thr Arg Trp Pro Trp Val Cys Pro Pro Gln Gly Trp Gly
    50                  55                  60


<210>  1341
<211>  68
<212>  PRT
<213>  Artificial sequence

<220>
<223>  Synthetic peptide

<400>  1341

Ala Gln Pro Glu Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys
1               5                   10                  15


Pro Pro Gln Gly Trp Gly Leu Glu Gly Ser Gly Ser Ala Thr Gly Gly
            20                  25                  30


Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Pro Glu
        35                  40                  45


Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly
    50                  55                  60


Trp Gly Leu Glu
65


<210>  1342
<211>  64
<212>  PRT
<213>  Artificial sequence

<220>
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<223> Synthetic peptide

<400> 1342

Ala Gln Pro Glu Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys
1 5 10 15

Pro Pro Gln Gly Trp Gly Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly
20 25 30

Gly Gly Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Pro Glu Ser Gln
35 40 45

Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly
50 55 60

<210> 1343

<400> 1343
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<210> 1344
<211> 9
<212> PRT
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<220>
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<400> 1344

Cys Leu Cys Arg Gly Asp Cys Ile Cys
1 5

<210> 1345
<211> 8
<212> PRT
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<220>
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<400> 1345

Cys Trp Asp Asp Gly Trp Leu Cys

1 5

<210> 1346
<211> 9
<212> PRT
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<220>
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<400> 1346

Cys Trp Asp Asp Leu Trp Trp Leu Cys
1 5

<210> 1347
<211> 8
<212> PRT
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<220>
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<400> 1347

Cys Trp Asp Asp Gly Leu Met Cys
1 5

<210> 1348
<211> 8
<212> PRT
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<220>
<223> Synthetic peptide

<400> 1348

Cys Trp Asp Asp Gly Trp Met Cys
1 5

<210> 1349
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1349

Cys Ser Trp Asp Asp Gly Trp Leu Cys
1   5

<210> 1350
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1350

Cys Pro Asp Asp Leu Trp Trp Leu Cys
1   5

<210> 1351
<211> 3
<212> PRT
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<220>
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<400> 1351

Asn Gly Arg
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<210> 1352
<211> 3
<212> PRT
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<220>
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<400> 1352

Gly Ser Leu
1

<210> 1353
<211> 3
<212> PRT
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<220>
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<400> 1353

Arg Gly Asp
1

<210> 1354
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1354

Cys Gly Arg Glu Cys Pro Arg Leu Cys Gln Ser Ser Cys
1 5 10

<210> 1355

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

<220>
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<400> 1355

Cys Asn Gly Arg Cys Val Ser Gly Cys Ala Gly Arg Cys
1 5 10

<210> 1356
<211> 8
<212> PRT
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<220>
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<400> 1356

Cys Leu Ser Gly Ser Leu Ser Cys
1   5

<210> 1357
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<220>
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<400> 1357

Gly Ser Leu
1

<210> 1358
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<220>
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<400> 1358

Asn Gly Arg Ala His Ala
1   5

<210> 1359
<211> 5
<212> PRT
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<220>
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<400> 1359

Cys Asn Gly Arg Cys
1   5

<210> 1360
<211> 9
<212> PRT
<213> Artificial sequence

<220>
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<400> 1360

Cys Asp Cys Arg Gly Asp Cys Phe Cys
1 5

<210> 1361
<211> 7
<212> PRT
<213> Artificial sequence

<220>
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<400> 1361

Cys Gly Ser Leu Val Arg Cys
1 5

<210> 1362
<211> 5
<212> PRT
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<220>
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<220>
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<222> (3)..(4)
<223> Xaa can be any naturally occurring amino acid

<400> 1362

Asp Leu Xaa Xaa Leu
1 5

<210> 1363
<211> 12
<212> PRT
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<220>
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<400> 1363

Arg Thr Asp Leu Asp Ser Leu Arg Thr Tyr Thr Leu
1 5 10

<210> 1364
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1364

Arg Thr Asp Leu Asp Ser Leu Arg Thr Tyr
1 5 10

<210> 1365
<211> 9
<212> PRT
<213> Artificial sequence

<220>
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<400> 1365

Arg Thr Asp Leu Asp Ser Leu Arg Thr
1 5

<210> 1366
<211> 8
<212> PRT
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<220>
<223> Synthetic peptide

<400> 1366

Arg Thr Asp Leu Asp Ser Leu Arg
1 5

<210> 1367
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1367

Gly Asp Leu Asp Leu Leu Lys Leu Arg Leu Thr Leu
1 5 10

<210> 1368
<211> 12
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1368

Gly Asp Leu His Ser Leu Arg Gln Leu Leu Ser Arg
1 5 10

<210> 1369
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1369

Arg Asp Asp Leu His Met Leu Arg Leu Gln Leu Trp
1 5 10

<210> 1370

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

<220>
<223> Synthetic peptide

<400> 1370

Ser Ser Asp Leu His Ala Leu Lys Lys Arg Tyr Gly
1 5 10

<210> 1371
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1371

Arg Gly Asp Leu Lys Gln Leu Ser Glu Leu Thr Trp
1 5 10

<210> 1372
<211> 7
<212> PRT
<213> Artificial sequence

<220>
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<220>

<221> misc_feature
<222> (2)..(3)
<223> Xaa can be any naturally occurring amino acid

<400> 1372

Cys Xaa Xaa Arg Gly Asp Cys
1 5

<210> 1373
<211> 27

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1373

Ser Thr Gly Gly Phe Asp Asp Val Tyr Asp Trp Ala Arg Gly Val Ser
1 5 10 15

Ser Ala Leu Thr Thr Thr Leu Val Ala Thr Arg
20 25

<210> 1374
<211> 27
<212> PRT
<213> Artificial sequence

<220>
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<400> 1374

Ser Thr Gly Gly Phe Asp Asp Val Tyr Asp Trp Ala Arg Arg Val Ser
1 5 10 15

Ser Ala Leu Thr Thr Thr Leu Val Ala Thr Arg
20 25

<210> 1375
<211> 30
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1375

Ser Arg Gly Val Asn Phe Ser Glu Trp Leu Tyr Asp Met Ser Ala Ala
1 5 10 15

Met Lys Glu Ala Ser Asn Val Phe Pro Ser Arg Arg Ser Arg
20 25 30

<210> 1376
<211> 30
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1376

Ser Ser Gln Asn Trp Asp Met Glu Ala Gly Val Glu Asp Leu Thr Ala
1 5 10 15

Ala Met Leu Gly Leu Leu Ser Thr Ile His Ser Ser Ser Arg
20 25 30

<210> 1377
<211> 31
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1377

Ser Ser Pro Ser Leu Tyr Thr Gln Phe Leu Val Asn Tyr Glu Ser Ala
1 5 10 15

Ala Thr Arg Ile Gln Asp Leu Leu Ile Ala Ser Arg Pro Ser Arg
20 25 30

<210> 1378
<211> 31
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1378

Ser Ser Thr Gly Trp Val Asp Leu Leu Gly Ala Leu Gln Arg Ala Ala
1 5 10 15

Asp Ala Thr Arg Thr Ser Ile Pro Pro Ser Leu Gln Asn Ser Arg
20 25 30

<210> 1379
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1379

Asp Val Tyr Thr Lys Lys Glu Leu Ile Glu Cys Ala Arg Arg Val Ser
1 5 10 15

Glu Lys

<210> 1380
<211> 5
<212> PRT
<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid

<400> 1380

Arg Gly Asp Gly Xaa
1 5

<210> 1381
<211> 7
<212> PRT
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<220>

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<220>
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<222> (6)..(6)
<223> Xaa can be any naturally occurring amino acid

<400> 1381

Cys Arg Gly Asp Gly Xaa Cys
1 5

<210> 1382
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1382

Cys Ala Arg Arg Leu Asp Ala Pro Cys
1 5

<210> 1383

<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1383

Cys Pro Ser Arg Leu Asp Ser Pro Cys
1 5

<210> 1384
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1384

Cys Asp Cys Arg Gly Asp Cys Phe Cys
1 5

<210> 1385
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1385

Cys Asp Cys Arg Gly Asp Cys Leu Cys
1 5

<210> 1386
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1386

Arg Gly Asp Leu Ala Ala Leu Ser Ala Pro Pro Val
1 5 10

<210> 1387
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1387

Asp Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys
1 5 10

<210> 1388
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1388

Asp Ile Thr Trp Asp Glu Leu Trp Lys Ile Met Asn
1 5 10

<210> 1389
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1389

Asp Tyr Thr Trp Phe Glu Leu Trp Asp Met Met Gln
1 5 10

<210> 1390
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1390

Gln Ile Thr Trp Ala Gln Leu Trp Asn Met Met Lys
1 5 10

<210> 1391
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1391

Asp Met Thr Trp His Asp Leu Trp Thr Leu Met Ser
1 5 10

<210> 1392

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

<220>
<223> Synthetic peptide

<400> 1392

Asp Tyr Ser Trp His Asp Leu Trp Glu Met Met Ser
1 5 10

<210> 1393
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1393

Glu Ile Thr Trp Asp Gln Leu Trp Glu Val Met Asn
1 5 10

<210> 1394
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1394

His Val Ser Trp Glu Gln Leu Trp Asp Ile Met Asn
1 5 10

<210> 1395

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

<220>
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<400> 1395

His Ile Thr Trp Asp Gln Leu Trp Arg Ile Met Thr
1 5 10

<210> 1396
<211> 13
<212> PRT
<213> Artificial sequence

<220>
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<400> 1396

Arg Asn Met Ser Trp Leu Glu Leu Trp Glu His Met Lys
1 5 10

<210> 1397
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1397

Ala Glu Trp Thr Trp Asp Gln Leu Trp His Val Met Asn Pro Ala Glu
1 5 10 15

Ser Gln

<210> 1398
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1398

His Arg Ala Glu Trp Leu Ala Leu Trp Glu Gln Met Ser Pro
1   5   10

<210> 1399
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1399

Lys Lys Glu Asp Trp Leu Ala Leu Trp Arg Ile Met Ser Val
1   5   10

<210> 1400
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1400

Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys

1   5   10

<210> 1401
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1401

Asp Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys

1 5 10

<210> 1402
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1402

Asp Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys
1 5 10

<210> 1403
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1403

Asp Ile Thr Trp Asp Gln Leu Trp Asp Leu Met Lys
1 5 10

<210> 1404
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1404

Cys Gln Asn Arg Tyr Thr Asp Leu Val Ala Ile Gln Asn Lys Asn Glu
1 5 10 15

<210> 1405
<211> 17
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1405

Ala Glu Asn Trp Ala Asp Asn Glu Pro Asn Asn Lys Arg Asn Asn Glu
1   5   10   15

Asp

<210> 1406
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1406

Arg Lys Asn Asn Lys Thr Trp Thr Trp Val Gly Thr Lys Lys Ala Leu
1   5   10   15

Thr Asn Glu

<210> 1407
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1407

Lys Lys Ala Leu Thr Asn Glu Ala Glu Asn Trp Ala Asp
1   5   10

<210> 1408
<211> 16
<212> PRT
<213> Artificial sequence

<220>
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<220>
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<222> (3)..(3)
<223> Xaa can be any naturally occurring amino acid

<220>
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<222> (15)..(15)
<223> Xaa can be any naturally occurring amino acid

<400> 1408

Cys Gln Xaa Arg Tyr Thr Asp Leu Val Ala Ile Gln Asn Lys Xaa Glu
1   5   10   15

<210> 1409
<211> 17
<212> PRT
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<220>
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<220>
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<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (15)..(15)
<223> Xaa can be any naturally occurring amino acid

<400> 1409

Ala Glu Asn Trp Ala Asp Gly Glu Pro Asn Asn Lys Xaa Asn Xaa Glu
1   5   10   15

Asp

<210> 1410

<211> 30
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1410

Ser Ser Gln Asn Trp Asp Met Glu Ala Gly Val Glu Asp Leu Thr Ala
1 5 10 15

Ala Met Leu Gly Leu Leu Ser Thr Ile His Ser Ser Ser Arg
20 25 30

<210> 1411
<211> 31
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1411

Ser Ser Pro Ser Leu Tyr Thr Gln Phe Leu Val Asn Tyr Glu Ser Ala
1 5 10 15

Ala Thr Arg Ile Gln Asp Leu Leu Ile Ala Ser Arg Pro Ser Arg
20 25 30

<210> 1412
<211> 31
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1412

Ser Ser Thr Gly Trp Val Asp Leu Leu Gly Ala Leu Gln Arg Ala Ala
1 5 10 15

Asp Ala Thr Arg Thr Ser Ile Pro Pro Ser Leu Gln Asn Ser Arg
20 25 30

<210> 1413
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1413

Asp Val Tyr Thr Lys Lys Glu Leu Ile Glu Cys Ala Arg Arg Val Ser
1 5 10 15

Glu Lys

<210> 1414
<211> 27
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1414

Ser Thr Gly Gly Phe Asp Asp Val Tyr Asp Trp Ala Arg Gly Val Ser
1 5 10 15

Ser Ala Leu Thr Thr Thr Leu Val Ala Thr Arg
20 25

<210> 1415

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

<220>
<223> Synthetic peptide

<400> 1415

Ser Thr Gly Gly Phe Asp Asp Val Tyr Asp Trp Ala Arg Arg Val Ser
1 5 10 15

Ser Ala Leu Thr Thr Thr Leu Val Ala Thr Arg
20 25

<210> 1416
<211> 30
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1416

Ser Arg Gly Val Asn Phe Ser Glu Trp Leu Tyr Asp Met Ser Ala Ala
1 5 10 15

Met Lys Glu Ala Ser Asn Val Phe Pro Ser Arg Arg Ser Arg
20 25 30

<210> 1417
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1417

Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr
1 5 10 15

Ile Gly Ser Arg
20

<210> 1418
<211> 45
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1418

Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr
1 5 10 15

Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile
20 25 30

Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg
35 40 45

<210> 1419
<211> 80
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1419

Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr
1 5 10 15

Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile
20 25 30

Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly
35 40 45

Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser
50 55 60

Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg
65 70 75 80

<210> 1420
<211> 125

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1420

Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr
1 5 10 15

Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile
20 25 30

Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly
35 40 45

Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser
50 55 60

Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg
65 70 75 80

Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr
85 90 95

Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile
100 105 110

Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg
115 120 125

<210> 1421
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1421

Ile Pro Cys Asn Asn Lys Gly Ala His Ser Val Gly Leu Met Trp Trp
1 5 10 15

Met Leu Ala Arg
20

<210> 1422
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1422

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

Ser Gly Arg

<210> 1423
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1423

Arg Gly Asp Arg Gly Asp Tyr Ile Gly Ser Arg Arg Gly Asp
1 5 10

<210> 1424
<211> 25
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1424

Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr Ile Gly Ser Arg Tyr
1 5 10 15

Ile Gly Ser Arg Tyr Ile Gly Ser Arg
20 25

<210> 1425
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1425

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

Ser Gly Arg

<210> 1426
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1426

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

Ser Gly Arg

<210> 1427
<211> 20
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1427

Thr Gly Tyr Thr Glu Tyr Thr Glu Glu Trp Pro Met Gly Phe Gly Tyr
1   5   10   15

Gln Trp Ser Phe
            20

<210> 1428
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1428

Thr Asp Trp Leu Ser Asp Phe Pro Phe Tyr Glu Gln Tyr Phe Gly Leu
1   5   10   15

Met Pro Pro Gly
            20

<210> 1429
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1429

Phe Met Arg Phe Pro Asn Pro Trp Lys Leu Val Glu Pro Pro Gln Gly
1   5   10   15

Trp Tyr Tyr Gly
            20

<210> 1430

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

<220>
<223> Synthetic peptide

<400> 1430

Val Val Lys Ala Pro His Phe Glu Phe Leu Ala Pro Pro His Phe His
1 5 10 15

Glu Phe Pro Phe
20

<210> 1431
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1431

Phe Ser Tyr Ile Trp Ile Asp Glu Thr Pro Ser Asn Ile Asp Arg Tyr
1 5 10 15

Met Leu Trp Leu
20

<210> 1432
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1432

Val Asn Phe Pro Lys Val Pro Glu Asp Val Glu Pro Trp Pro Trp Ser
1 5 10 15

Leu Lys Leu Tyr

20

<210> 1433
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1433

Thr Trp His Pro Lys Thr Tyr Glu Glu Phe Ala Leu Pro Phe Phe Val
1 5 10 15

Pro Glu Ala Pro
20

<210> 1434
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1434

Trp His Phe Gly Thr Pro Tyr Ile Gln Gln Gln Pro Gly Val Tyr Trp
1 5 10 15

Leu Gln Ala Pro
20

<210> 1435
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1435

Val Trp Asn Tyr Gly Pro Phe Phe Met Asn Phe Pro Asp Ser Thr Tyr

1 5 10 15

Phe Leu His Glu
20

<210> 1436
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1436

Trp Arg Ile His Ser Lys Pro Leu Asp Tyr Ser His Val Trp Phe Phe
1 5 10 15

Pro Ala Asp Phe
20

<210> 1437
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1437

Phe Trp Asp Gly Asn Gln Pro Pro Asp Ile Leu Val Asp Trp Pro Trp
1 5 10 15

Asn Pro Pro Val
20

<210> 1438
<211> 20
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1438

Phe Tyr Ser Leu Glu Trp Leu Lys Asp His Ser Glu Phe Phe Gln Thr
1 5 10 15

Val Thr Glu Trp
20

<210> 1439
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1439

Gln Phe Met Glu Leu Leu Lys Phe Phe Asn Ser Pro Gly Asp Ser Ser
1 5 10 15

His His Phe Leu
20

<210> 1440
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1440

Thr Asn Val Asp Trp Ile Ser Asn Asn Trp Glu His Met Lys Ser Phe
1 5 10 15

Phe Thr Glu Asp
20

<210> 1441
<211> 20

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1441

Pro Asn Glu Lys Pro Tyr Gln Met Gln Ser Trp Phe Pro Pro Asp Trp
1 5 10 15

Pro Val Pro Tyr
20

<210> 1442
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1442

Trp Ser His Thr Glu Trp Val Pro Gln Val Trp Trp Lys Pro Pro Asn
1 5 10 15

His Phe Tyr Val
20

<210> 1443
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1443

Trp Gly Glu Trp Ile Asn Asp Ala Gln Val His Met His Glu Gly Phe
1 5 10 15

Ile Ser Glu Ser

20

<210> 1444
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1444

Val Pro Trp Glu His Asp His Asp Leu Trp Glu Ile Ile Ser Gln Asp
1 5 10 15

Trp His Ile Ala
20

<210> 1445
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1445

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

Val Leu Glu Leu
20

<210> 1446
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1446

Ile His Gly Cys Trp Phe Thr Glu Glu Gly Cys Val Trp Gln
1 5 10

<210> 1447
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1447

Tyr Met Gln Cys Gln Phe Ala Arg Asp Gly Cys Pro Gln Trp
1 5 10

<210> 1448
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1448

Lys Leu Gln Cys Gln Tyr Ser Glu Ser Gly Cys Pro Thr Ile
1 5 10

<210> 1449
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1449

Phe Leu Gln Cys Glu Ile Ser Gly Gly Ala Cys Pro Ala Pro
1 5 10

<210> 1450
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1450

Lys Leu Gln Cys Glu Phe Ser Thr Ser Gly Cys Pro Asp Leu
1   5   10

<210> 1451
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1451

Lys Leu Gln Cys Glu Phe Ser Thr Gln Gly Cys Pro Asp Leu
1   5   10

<210> 1452
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1452

Lys Leu Gln Cys Glu Phe Ser Thr Ser Gly Cys Pro Trp Leu
1   5   10

<210> 1453
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1453

Ile Gln Gly Cys Trp Phe Thr Glu Glu Gly Cys Pro Trp Gln
1   5   10

<210> 1454
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1454

Ser Phe Asp Cys Asp Asn Pro Trp Gly His Val Leu Gln Ser Cys Phe
1 5 10 15

Gly Phe

<210> 1455
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1455

Ser Phe Asp Cys Asp Asn Pro Trp Gly His Lys Leu Gln Ser Cys Phe
1 5 10 15

Gly Phe

<210> 1456
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (19)..(19)

<223> Xaa=unknown

<400> 1456

Leu Pro Gly Cys Lys Trp Asp Leu Leu Ile Lys Gln Trp Val Cys Asp
1   5   10   15

Pro Leu Xaa

<210> 1457
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=unknown

<400> 1457

Xaa Leu Pro Gly Cys Lys Trp Asp Leu Leu Ile Lys Gln Trp Val Cys
1   5   10   15

Asp Pro Leu

<210> 1458
<211> 37
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (37)..(37)
<223> Xaa=unknown

<400> 1458

Leu Pro Gly Cys Lys Trp Asp Leu Leu Ile Lys Gln Trp Val Cys Asp
1 5 10 15

Pro Leu Leu Pro Gly Cys Lys Trp Asp Leu Leu Ile Lys Gln Trp Val
20 25 30

Cys Asp Pro Leu Xaa
35

<210> 1459
<211> 37
<212> PRT
<213> Artificial sequence

<220>
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<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=unknown

<400> 1459

Xaa Leu Pro Gly Cys Lys Trp Asp Leu Leu Ile Lys Gln Trp Val Cys
1 5 10 15

Asp Pro Leu Leu Pro Gly Cys Lys Trp Asp Leu Leu Ile Lys Gln Trp
20 25 30

Val Cys Asp Pro Leu
35

<210> 1460
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (19)..(19)
<223> Xaa=unknown

<400> 1460

Ser Ala Asp Cys Tyr Phe Asp Ile Leu Thr Lys Ser Asp Val Cys Thr
1   5   10   15

Ser Ser Xaa

<210> 1461
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=unknown

<400> 1461

Xaa Ser Ala Asp Cys Tyr Phe Asp Ile Leu Thr Lys Ser Asp Val Cys
1   5   10   15

Thr Ser Ser

<210> 1462
<211> 35
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (35)..(35)
<223> Xaa=unknown

<400> 1462

Ser Ala Asp Cys Tyr Phe Asp Ile Leu Thr Lys Ser Asp Val Thr Ser
1 5 10 15

Ser Ser Ala Asp Cys Tyr Phe Asp Ile Leu Thr Lys Ser Asp Val Thr
20 25 30

Ser Ser Xaa
35

<210> 1463
<211> 35
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=unknown

<400> 1463

Xaa Ser Ala Asp Cys Tyr Phe Asp Ile Leu Thr Lys Ser Asp Val Thr
1 5 10 15

Ser Ser Ser Ala Asp Cys Tyr Phe Asp Ile Leu Thr Lys Ser Asp Val
20 25 30

Thr Ser Ser
35

<210> 1464
<211> 19

<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (19)..(19)
<223> Xaa=unknown

<400> 1464

Phe His Asp Cys Lys Trp Asp Leu Leu Thr Lys Gln Trp Val Cys His
1   5   10   15

Gly Leu Xaa

<210> 1465
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=unknown

<400> 1465

Xaa Phe His Asp Cys Lys Trp Asp Leu Leu Thr Lys Gln Trp Val Cys
1   5   10   15

His Gly Leu

<210> 1466
<211> 37
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (37)..(37)
<223> Xaa=unknown

<400> 1466

Phe His Asp Cys Lys Trp Asp Leu Leu Thr Lys Gln Trp Val Cys His
1 5 10 15

Gly Leu Phe His Asp Cys Lys Trp Asp Leu Leu Thr Lys Gln Trp Val
20 25 30

Cys His Gly Leu Xaa
35

<210> 1467
<211> 37
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa=unknown

<400> 1467

Xaa Phe His Asp Cys Lys Trp Asp Leu Leu Thr Lys Gln Trp Val Cys
1 5 10 15

His Gly Leu Phe His Asp Cys Lys Trp Asp Leu Leu Thr Lys Gln Trp
20 25 30

Val Cys His Gly Leu

35

<210> 1468
<211> 248
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1468

Met Pro Gly Thr Cys Phe Pro Phe Pro Trp Glu Cys Thr His Ala Gly
1 5 10 15

Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
20 25 30

Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
35 40 45

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
50 55 60

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
65 70 75 80

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
85 90 95

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
100 105 110

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
115 120 125

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
130 135 140

```
Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr
145                 150                 155                 160


Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
                165                 170                 175


Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
            180                 185                 190


Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
        195                 200                 205


Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
    210                 215                 220


Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
225                 230                 235                 240


Ser Leu Ser Leu Ser Pro Gly Lys
                245


<210>  1469
<211>  248
<212>  PRT
<213>  Artificial sequence

<220>
<223>  Synthetic peptide

<400>  1469

Met Trp Gly Ala Cys Trp Pro Phe Pro Trp Glu Cys Phe Lys Glu Gly
1               5                   10                  15


Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala

            20                  25                  30


Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
        35                  40                  45
```

```
Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
    50                  55                  60

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
65                  70                  75                  80

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
                85                  90                  95

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
            100                 105                 110

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
        115                 120                 125

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
    130                 135                 140

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr
145                 150                 155                 160

Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
                165                 170                 175

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
            180                 185                 190

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
        195                 200                 205

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
    210                 215                 220

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
225                 230                 235                 240

Ser Leu Ser Leu Ser Pro Gly Lys
```

245

<210> 1470
<211> 248
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1470

Met Val Pro Phe Cys Asp Leu Leu Thr Lys His Cys Phe Glu Ala Gly
1 5 10 15

Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
20 25 30

Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
35 40 45

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
50 55 60

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
65 70 75 80

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
85 90 95

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
100 105 110

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
115 120 125

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
130 135 140

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr

145 150 155 160

Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
165 170 175

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
180 185 190

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
195 200 205

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
210 215 220

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
225 230 235 240

Ser Leu Ser Leu Ser Pro Gly Lys
245

<210> 1471
<211> 252
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1471

Met Gly Ser Arg Cys Lys Tyr Lys Trp Asp Val Leu Thr Lys Gln Cys
1 5 10 15

Phe His His Gly Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro
20 25 30

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
35 40 45

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val

```
    50                  55                  60

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
65                  70                  75                  80

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
                85                  90                  95

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
            100                 105                 110

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
        115                 120                 125

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
    130                 135                 140

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
145                 150                 155                 160

Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
                165                 170                 175

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
            180                 185                 190

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
        195                 200                 205

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
    210                 215                 220

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
225                 230                 235                 240

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                245                 250
```

<210> 1472
<211> 252
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1472

Met Leu Pro Gly Cys Lys Trp Asp Leu Leu Ile Lys Gln Trp Val Cys
1 5 10 15

Asp Pro Leu Gly Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro
20 25 30

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
35 40 45

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
50 55 60

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
65 70 75 80

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
85 90 95

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
100 105 110

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
115 120 125

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
130 135 140

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg

145 150 155 160

Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
165 170 175

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
180 185 190

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
195 200 205

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
210 215 220

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
225 230 235 240

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
245 250

<210> 1473
<211> 252
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1473

Met Ser Ala Asp Cys Tyr Phe Asp Ile Leu Thr Lys Ser Asp Val Cys
1 5 10 15

Thr Ser Ser Gly Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro
20 25 30

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
35 40 45

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val

```
    50                  55                  60

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
65                  70                  75                  80

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
                85                  90                  95

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
            100                 105                 110

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
        115                 120                 125

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
    130                 135                 140

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
145                 150                 155                 160

Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
                165                 170                 175

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
            180                 185                 190

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
        195                 200                 205

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
    210                 215                 220

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
225                 230                 235                 240

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                245                 250
```

<210> 1474
<211> 252
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1474

```
Met Ser Asp Asp Cys Met Tyr Asp Gln Leu Thr Arg Met Phe Ile Cys
1               5                  10                  15


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


Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
        35                  40                  45


Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
    50                  55                  60



Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
65                  70                  75                  80


Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
                85                  90                  95


Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
            100                 105                 110


Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
        115                 120                 125


Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
    130                 135                 140


Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
145                 150                 155                 160
```

```
Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
                165                 170                 175

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
            180                 185                 190

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
        195                 200                 205

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
    210                 215                 220

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
225                 230                 235                 240

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                245                 250
```

<210> 1475
<211> 252
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1475

```
Met Asp Leu Asn Cys Lys Tyr Asp Glu Leu Thr Tyr Lys Glu Trp Cys
1               5                   10                  15

Gln Phe Asn Gly Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro

            20                  25                  30

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
        35                  40                  45

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
```

```
    50                  55                  60

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
65                  70                  75                  80

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
                85                  90                  95

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
            100                 105                 110

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
        115                 120                 125

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
    130                 135                 140

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
145                 150                 155                 160

Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
                165                 170                 175

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
            180                 185                 190

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
        195                 200                 205

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
    210                 215                 220

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
225                 230                 235                 240

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                245                 250
```

<210> 1476
<211> 252
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1476

```
Met Phe His Asp Cys Lys Tyr Asp Leu Leu Thr Arg Gln Met Val Cys
1               5                   10                  15


His Gly Leu Gly Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro
            20                  25                  30


Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
        35                  40                  45


Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
    50                  55                  60


Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
65                  70                  75                  80


Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
                85                  90                  95


Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
            100                 105                 110


Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
        115                 120                 125


Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
    130                 135                 140


Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
145                 150                 155                 160
```

```
Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
                165                 170                 175

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
            180                 185                 190

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
        195                 200                 205

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
    210                 215                 220

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
225                 230                 235                 240

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                245                 250
```

<210> 1477
<211> 252
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1477

```
Met Arg Asn His Cys Phe Trp Asp His Leu Leu Lys Gln Asp Ile Cys
1               5                   10                  15

Pro Ser Pro Gly Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro
            20                  25                  30

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
        35                  40                  45

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
    50                  55                  60
```

```
Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
65                  70                  75                  80

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
                85                  90                  95

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
            100                 105                 110

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
        115                 120                 125

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
    130                 135                 140

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
145                 150                 155                 160

Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
                165                 170                 175

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
            180                 185                 190

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
        195                 200                 205

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
    210                 215                 220

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
225                 230                 235                 240

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                245                 250
```

<210> 1478
<211> 252
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1478

Met Ala Asn Gln Cys Trp Trp Asp Ser Leu Thr Lys Lys Asn Val Cys
1 5 10 15

Glu Phe Phe Gly Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro
20 25 30

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
35 40 45

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
50 55 60

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
65 70 75 80

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
85 90 95

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
100 105 110

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
115 120 125

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
130 135 140

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg

145 150 155 160

```
Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
                165                 170                 175

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
            180                 185                 190

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
        195                 200                 205

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
    210                 215                 220

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
225                 230                 235                 240

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                245                 250
```

<210> 1479
<211> 252
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1479

```
Met Phe His Asp Cys Lys Trp Asp Leu Leu Thr Lys Gln Trp Val Cys
1               5                   10                  15

His Gly Leu Gly Gly Gly Gly Gly Val Asp Lys Thr His Thr Cys Pro
            20                  25                  30

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
        35                  40                  45

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
    50                  55                  60
```

```
Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
65                  70                  75                  80

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
                85                  90                  95

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
            100                 105                 110

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
        115                 120                 125

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
    130                 135                 140

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
145                 150                 155                 160

Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
                165                 170                 175

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
            180                 185                 190

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
        195                 200                 205

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
    210                 215                 220

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
225                 230                 235                 240

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                245                 250
```

<210> 1480

<211> 293
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1480

```
Met Leu Pro Gly Cys Lys Trp Asp Leu Leu Ile Lys Gln Trp Val Cys
1               5                  10                  15


Asp Pro Leu Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala
            20                  25                  30


Ser Ser Gly Ser Gly Ser Ala Thr His Met Leu Pro Gly Cys Lys Trp
        35                  40                  45


Asp Leu Leu Ile Lys Gln Trp Val Cys Asp Pro Leu Gly Gly Gly Gly
    50                  55                  60



Gly Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu
65                  70                  75                  80


Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
                85                  90                  95


Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
            100                 105                 110


Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val
        115                 120                 125


Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser
    130                 135                 140


Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu
145                 150                 155                 160
```

```
Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala
                165                 170                 175

Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
            180                 185                 190

Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln
        195                 200                 205

Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
    210                 215                 220

Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
225                 230                 235                 240

Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
                245                 250                 255

Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
            260                 265                 270

Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
        275                 280                 285

Leu Ser Pro Gly Lys
    290


<210>  1481
<211>  293
<212>  PRT

<213>  Artificial sequence

<220>
<223>  Synthetic peptide

<400>  1481

Met Phe His Asp Cys Lys Trp Asp Leu Leu Thr Lys Gln Trp Val Cys
1               5                   10                  15
```

```
His Gly Leu Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala
            20                  25                  30

Ser Ser Gly Ser Gly Ser Ala Thr His Met Phe His Asp Cys Lys Trp
        35                  40                  45

Asp Leu Leu Thr Lys Gln Trp Val Cys His Gly Leu Gly Gly Gly Gly
    50                  55                  60

Gly Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu
65                  70                  75                  80

Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
                85                  90                  95

Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
            100                 105                 110

Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val
        115                 120                 125

Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser
    130                 135                 140

Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu
145                 150                 155                 160

Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala
                165                 170                 175

Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
            180                 185                 190

Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln
        195                 200                 205

Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
```

```
    210                 215                 220


Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
225                 230                 235                 240


Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
                245                 250                 255


Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
            260                 265                 270


Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
        275                 280                 285


Leu Ser Pro Gly Lys
    290


<210>  1482
<211>  20
<212>  PRT
<213>  Artificial sequence

<220>
<223>  Synthetic peptide

<400>  1482

Pro Ile Arg Gln Glu Glu Cys Asp Trp Asp Pro Trp Thr Cys Glu His
1               5                   10                  15


Met Trp Glu Val
            20


<210>  1483
<211>  20
<212>  PRT
<213>  Artificial sequence

<220>
<223>  Synthetic peptide
```

<400> 1483

Thr Asn Ile Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Asp His
1 5 10 15

Met Pro Gly Lys
20

<210> 1484
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1484

Trp Tyr Glu Gln Asp Ala Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Ala Glu Val
20

<210> 1485
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1485

Asn Arg Leu Gln Glu Val Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Glu Asn Val
20

<210> 1486
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1486

Ala Ala Thr Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1   5   10   15

Met Pro Arg Ser
            20

<210> 1487
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1487

Leu Arg His Gln Glu Gly Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1   5   10   15

Met Phe Asp Trp
            20

<210> 1488
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1488

Val Pro Arg Gln Lys Asp Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1   5   10   15

Met Tyr Val Gly
            20

<210> 1489
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1489

Ser Ile Ser His Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Gln Val Gly
20

<210> 1490
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1490

Trp Ala Ala Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Gly Arg Met
20

<210> 1491
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1491

Thr Trp Pro Gln Asp Lys Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Gly Ser Thr
20

<210> 1492
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1492

Gly His Ser Gln Glu Glu Cys Gly Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Gly Thr Ser
20

<210> 1493
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1493

Gln His Trp Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Asp His
1 5 10 15

Met Pro Ser Lys
20

<210> 1494
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1494

Asn Val Arg Gln Glu Lys Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Pro Val Arg
20

<210> 1495

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

<220>
<223> Synthetic peptide

<400> 1495

Lys Ser Gly Gln Val Glu Cys Asn Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Pro Arg Asn
20

<210> 1496
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1496

Val Lys Thr Gln Glu His Cys Asp Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Arg Glu Trp
20

<210> 1497
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1497

Ala Trp Gly Gln Glu Gly Cys Asp Trp Asp Pro Trp Thr Cys Glu His
1   5   10   15

Met Leu Pro Met
            20

<210> 1498
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1498

Pro Val Asn Gln Glu Asp Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1   5   10   15

Met Pro Pro Met
            20

<210> 1499
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1499

Arg Ala Pro Gln Glu Asp Cys Glu Trp Asp Pro Trp Thr Cys Ala His
1   5   10   15

Met Asp Ile Lys
            20

<210> 1500
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1500

His Gly Gln Asn Met Glu Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Phe Arg Tyr
20

<210> 1501
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1501

Pro Arg Leu Gln Glu Glu Cys Val Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Pro Leu Arg
20

<210> 1502

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

<220>
<223> Synthetic peptide

<400> 1502

Arg Thr Thr Gln Glu Lys Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Glu Ser Gln
            20

<210> 1503
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1503

Gln Thr Ser Gln Glu Asp Cys Val Trp Asp Pro Trp Thr Cys Asp His
1   5   10   15

Met Val Ser Ser
            20

<210> 1504
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1504

Gln Val Ile Gly Arg Pro Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1   5   10   15

Leu Glu Gly Leu
            20

<210> 1505
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1505

Trp Ala Gln Gln Glu Glu Cys Ala Trp Asp Pro Trp Thr Cys Asp His
1 5 10 15

Met Val Gly Leu
20

<210> 1506
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1506

Leu Pro Gly Gln Glu Asp Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Val Arg Ser
20

<210> 1507
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1507

Pro Met Asn Gln Val Glu Cys Asp Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Pro Arg Ser
20

<210> 1508
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1508

Phe Gly Trp Ser His Gly Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1   5   10   15

Met Gly Ser Thr
            20

<210> 1509

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

<220>
<223> Synthetic peptide

<400> 1509

Lys Ser Thr Gln Asp Asp Cys Asp Trp Asp Pro Trp Thr Cys Glu His
1   5   10   15

Met Val Gly Pro
            20

<210> 1510
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1510

Gly Pro Arg Ile Ser Thr Cys Gln Trp Asp Pro Trp Thr Cys Glu His
1   5   10   15

Met Asp Gln Leu
            20

<210> 1511
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1511

Ser Thr Ile Gly Asp Met Cys Glu Trp Asp Pro Trp Thr Cys Ala His
1 5 10 15

Met Gln Val Asp
20

<210> 1512
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1512

Val Leu Gly Gly Gln Gly Cys Glu Trp Asp Pro Trp Thr Cys Arg Leu
1 5 10 15

Leu Gln Gly Trp
20

<210> 1513
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1513

Val Leu Gly Gly Gln Gly Cys Gln Trp Asp Pro Trp Thr Cys Ser His
1 5 10 15

Leu Glu Asp Gly
            20

<210> 1514
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1514

Thr Thr Ile Gly Ser Met Cys Glu Trp Asp Pro Trp Thr Cys Ala His
1   5   10   15

Met Gln Gly Gly
            20

<210> 1515
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1515

Thr Lys Gly Lys Ser Val Cys Gln Trp Asp Pro Trp Thr Cys Ser His
1   5   10   15

Met Gln Ser Gly
            20

<210> 1516

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

<220>
<223> Synthetic peptide

<400> 1516

Thr Thr Ile Gly Ser Met Cys Gln Trp Asp Pro Trp Thr Cys Ala His
1 5 10 15

Met Gln Gly Gly
20

<210> 1517
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1517

Trp Val Asn Glu Val Val Cys Glu Trp Asp Pro Trp Thr Cys Asn His
1 5 10 15

Trp Asp Thr Pro
20

<210> 1518
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1518

Val Val Gln Val Gly Met Cys Gln Trp Asp Pro Trp Thr Cys Lys His
1 5 10 15

Met Arg Leu Gln
20

<210> 1519
<211> 20
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1519

Ala Val Gly Ser Gln Thr Cys Glu Trp Asp Pro Trp Thr Cys Ala His
1 5 10 15

Leu Val Glu Val
20

<210> 1520
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1520

Gln Gly Met Lys Met Phe Cys Glu Trp Asp Pro Trp Thr Cys Ala His
1 5 10 15

Ile Val Tyr Arg
20

<210> 1521
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1521

Thr Thr Ile Gly Ser Met Cys Gln Trp Asp Pro Trp Thr Cys Glu His
1 5 10 15

Met Gln Gly Gly
20

<210> 1522
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1522

Thr Ser Gln Arg Val Gly Cys Glu Trp Asp Pro Trp Thr Cys Gln His
1 5 10 15

Leu Thr Tyr Thr
20

<210> 1523

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

<220>
<223> Synthetic peptide

<400> 1523

Gln Trp Ser Trp Pro Pro Cys Glu Trp Asp Pro Trp Thr Cys Gln Thr
1 5 10 15

Val Trp Pro Ser
20

<210> 1524
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1524

Gly Thr Ser Pro Ser Phe Cys Gln Trp Asp Pro Trp Thr Cys Ser His

1 5 10 15

Met Val Gln Gly
20

<210> 1525
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1525

Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Glu His Met
1 5 10

<210> 1526
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1526

Gln Asn Tyr Lys Pro Leu Asp Glu Leu Asp Ala Thr Leu Tyr Glu His
1 5 10 15

Phe Ile Phe His Tyr Thr
20

<210> 1527
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1527

Leu Asn Phe Thr Pro Leu Asp Glu Leu Glu Gln Thr Leu Tyr Glu Gln
1 5 10 15

Trp Thr Leu Gln Gln Ser
20

<210> 1528
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1528

Thr Lys Phe Asn Pro Leu Asp Glu Leu Glu Gln Thr Leu Tyr Glu Gln
1 5 10 15

Trp Thr Leu Gln His Gln
20

<210> 1529
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1529

Val Lys Phe Lys Pro Leu Asp Ala Leu Glu Gln Thr Leu Tyr Glu His
1 5 10 15

Trp Met Phe Gln Gln Ala
20

<210> 1530
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1530

Val Lys Tyr Lys Pro Leu Asp Glu Leu Asp Glu Ile Leu Tyr Glu Gln
1   5   10   15

Gln Thr Phe Gln Glu Arg
            20

<210> 1531
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1531

Thr Asn Phe Met Pro Met Asp Asp Leu Glu Gln Arg Leu Tyr Glu Gln
1   5   10   15

Phe Ile Leu Gln Gln Gly
            20

<210> 1532
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1532

Ser Lys Phe Lys Pro Leu Asp Glu Leu Glu Gln Thr Leu Tyr Glu Gln
1   5   10   15

Trp Thr Leu Gln His Ala
            20

<210> 1533

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

<220>
<223> Synthetic peptide

<400> 1533

Gln Lys Phe Gln Pro Leu Asp Glu Leu Glu Gln Thr Leu Tyr Glu Gln
1 5 10 15

Phe Met Leu Gln Gln Ala
20

<210> 1534
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1534

Gln Asn Phe Lys Pro Met Asp Glu Leu Glu Asp Thr Leu Tyr Lys Gln
1 5 10 15

Phe Leu Phe Gln His Ser
20

<210> 1535
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1535

Tyr Lys Phe Thr Pro Leu Asp Asp Leu Glu Gln Thr Leu Tyr Glu Gln
1 5 10 15

Trp Thr Leu Gln His Val
            20

<210> 1536
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1536

Gln Glu Tyr Glu Pro Leu Asp Glu Leu Asp Glu Thr Leu Tyr Asn Gln
1   5   10   15

Trp Met Phe His Gln Arg
            20

<210> 1537
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1537

Ser Asn Phe Met Pro Leu Asp Glu Leu Glu Gln Thr Leu Tyr Glu Gln
1   5   10   15

Phe Met Leu Gln His Gln
            20

<210> 1538
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1538

Gln Lys Tyr Gln Pro Leu Asp Glu Leu Asp Lys Thr Leu Tyr Asp Gln
1 5 10 15

Phe Met Leu Gln Gln Gly
20

<210> 1539
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1539

Gln Lys Phe Gln Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr Lys Gln
1 5 10 15

Trp Thr Leu Gln Gln Arg
20

<210> 1540
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1540

Val Lys Tyr Lys Pro Leu Asp Glu Leu Asp Glu Trp Leu Tyr His Gln
1 5 10 15

Phe Thr Leu His His Gln
20

<210> 1541
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1541

Gln Lys Phe Met Pro Leu Asp Glu Leu Asp Glu Ile Leu Tyr Glu Gln
1   5   10   15

Phe Met Phe Gln Gln Ser
            20

<210> 1542
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1542

Gln Thr Phe Gln Pro Leu Asp Asp Leu Glu Glu Tyr Leu Tyr Glu Gln
1   5   10   15

Trp Ile Arg Arg Tyr His
            20

<210> 1543
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1543

Glu Asp Tyr Met Pro Leu Asp Ala Leu Asp Ala Gln Leu Tyr Glu Gln
1   5   10   15

Phe Ile Leu Leu His Gly
            20

<210> 1544
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1544

His Thr Phe Gln Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr Tyr Gln
1 5 10 15

Trp Leu Tyr Asp Gln Leu
20

<210> 1545
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1545

Tyr Lys Phe Asn Pro Met Asp Glu Leu Glu Gln Thr Leu Tyr Glu Glu
1 5 10 15

Phe Leu Phe Gln His Ala
20

<210> 1546
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1546

Thr Asn Tyr Lys Pro Leu Asp Glu Leu Asp Ala Thr Leu Tyr Glu His
1 5 10 15

Trp Ile Leu Gln His Ser
            20

<210> 1547
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1547

Gln Lys Phe Lys Pro Leu Asp Glu Leu Glu Gln Thr Leu Tyr Glu Gln
1   5   10   15

Trp Thr Leu Gln Gln Arg
            20

<210> 1548
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1548

Thr Lys Phe Gln Pro Leu Asp Glu Leu Asp Gln Thr Leu Tyr Glu Gln
1   5   10   15

Trp Thr Leu Gln Gln Arg
            20

<210> 1549
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1549

Thr Asn Phe Gln Pro Leu Asp Glu Leu Asp Gln Thr Leu Tyr Glu Gln
1 5 10 15

Trp Thr Leu Gln Gln Arg
20

<210> 1550
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1550

Lys Phe Asn Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr Glu Gln Phe
1 5 10 15

Thr Phe Gln Gln
20

<210> 1551
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1551

Ala Gly Gly Met Arg Pro Tyr Asp Gly Met Leu Gly Trp Pro Asn Tyr
1 5 10 15

Asp Val Gln Ala
20

<210> 1552
<211> 20
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1552

Gln Thr Trp Asp Asp Pro Cys Met His Ile Leu Gly Pro Val Thr Trp
1 5 10 15

Arg Arg Cys Ile
20

<210> 1553
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1553

Ala Pro Gly Gln Arg Pro Tyr Asp Gly Met Leu Gly Trp Pro Thr Tyr
1 5 10 15

Gln Arg Ile Val
20

<210> 1554
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1554

Ser Gly Gln Leu Arg Pro Cys Glu Glu Ile Phe Gly Cys Gly Thr Gln
1 5 10 15

Asn Leu Ala Leu
20

<210> 1555
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1555

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

Leu Cys Pro Arg
20

<210> 1556
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1556

Gly Gln Asp Leu Arg Pro Cys Glu Asp Met Phe Gly Cys Gly Thr Lys
1 5 10 15

Asp Trp Tyr Gly
20

<210> 1557
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1557

Lys Arg Pro Cys Glu Glu Ile Phe Gly Gly Cys Thr Tyr Gln
1 5 10

<210> 1558
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1558

Gly Phe Glu Tyr Cys Asp Gly Met Glu Asp Pro Phe Thr Phe Gly Cys
1 5 10 15

Asp Lys Gln Thr
20

<210> 1559
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1559

Lys Leu Glu Tyr Cys Asp Gly Met Glu Asp Pro Phe Thr Gln Gly Cys
1 5 10 15

Asp Asn Gln Ser
20

<210> 1560
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1560

Leu Gln Glu Trp Cys Glu Gly Val Glu Asp Pro Phe Thr Phe Gly Cys
1 5 10 15

Glu Lys Gln Arg
            20

<210> 1561
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1561

Ala Gln Asp Tyr Cys Glu Gly Met Glu Asp Pro Phe Thr Phe Gly Cys
1   5   10   15

Glu Met Gln Lys
            20

<210> 1562

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

<220>
<223> Synthetic peptide

<400> 1562

Leu Leu Asp Tyr Cys Glu Gly Val Gln Asp Pro Phe Thr Phe Gly Cys
1   5   10   15

Glu Asn Leu Asp
            20

<210> 1563
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1563

His Gln Glu Tyr Cys Glu Gly Met Glu Asp Pro Phe Thr Phe Gly Cys
1 5 10 15

Glu Tyr Gln Gly
20

<210> 1564
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1564

Met Leu Asp Tyr Cys Glu Gly Met Asp Asp Pro Phe Thr Phe Gly Cys
1 5 10 15

Asp Lys Gln Met
20

<210> 1565
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1565

Leu Gln Asp Tyr Cys Glu Gly Val Glu Asp Pro Phe Thr Phe Gly Cys
1 5 10 15

Glu Asn Gln Arg
20

<210> 1566
<211> 20

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1566

Leu Gln Asp Tyr Cys Glu Gly Val Glu Asp Pro Phe Thr Phe Gly Cys
1 5 10 15

Glu Lys Gln Arg
20

<210> 1567
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1567

Phe Asp Tyr Cys Glu Gly Val Glu Asp Pro Phe Thr Phe Gly Cys Asp
1 5 10 15

Asn His

<210> 1568
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1568

Lys Arg Pro Cys Glu Glu Met Trp Gly Gly Cys Asn Tyr Asp
1 5 10

<210> 1569
<211> 14

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1569

His Gln Ile Cys Lys Trp Asp Pro Trp Thr Cys Lys His Trp
1 5 10

<210> 1570
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1570

Lys Arg Pro Cys Glu Glu Ile Phe Gly Gly Cys Thr Tyr Gln
1 5 10

<210> 1571
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1571

Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Glu His Met
1 5 10

<210> 1572
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1572

Phe Asp Tyr Cys Glu Gly Val Glu Asp Pro Phe Thr Phe Gly Cys Asp
1   5   10   15

Asn His

<210> 1573
<211> 20
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1573

Lys Phe Asn Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr Glu Gln Phe
1   5   10   15

Thr Phe Gln Gln
            20

<210> 1574
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1574

Gln Tyr Gly Cys Asp Gly Phe Leu Tyr Gly Cys Met Ile Asn
1   5   10

<210> 1575
<211> 31
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1575

Met Gly Ala Gln Lys Phe Asn Pro Leu Asp Glu Leu Glu Glu Thr Leu
1 5 10 15

Tyr Glu Gln Phe Thr Phe Gln Gln Leu Glu Gly Gly Gly Gly Gly
20 25 30

<210> 1576
<211> 28
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1576

Met Lys Phe Asn Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr Glu Gln
1 5 10 15

Phe Thr Phe Gln Gln Leu Glu Gly Gly Gly Gly Gly
20 25

<210> 1577
<211> 50
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1577

Met Lys Phe Asn Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr Glu Gln
1 5 10 15

Phe Thr Phe Gln Gln Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser
20 25 30

Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr His Leu Glu Gly Gly Gly
35 40 45

Gly Gly
    50

<210> 1578
<211> 59
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1578

Met Gly Ala Gln Lys Phe Asn Pro Leu Asp Glu Leu Glu Glu Thr Leu
1   5   10   15

Tyr Glu Gln Phe Thr Phe Gln Gln Gly Gly Gly Gly Gly Gly Gly Gly
            20   25   30

Lys Phe Asn Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr Glu Gln Phe
        35   40   45

Thr Phe Gln Gln Leu Glu Gly Gly Gly Gly Gly
    50   55

<210> 1579
<211> 55
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1579

Met Lys Phe Asn Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr Glu Gln
1   5   10   15

Phe Thr Phe Gln Gln Gly Gly Gly Gly Gly Gly Gly Lys Phe Asn Pro
            20   25   30

Leu Asp Glu Leu Glu Glu Thr Leu Tyr Glu Gln Phe Thr Phe Gln Gln
        35   40   45

Leu Glu Gly Gly Gly Gly Gly
    50   55

<210> 1580
<211> 25
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1580

Met Gly Ala Gln Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Glu
1   5   10   15

His Met Leu Glu Gly Gly Gly Gly Gly
            20   25

<210> 1581
<211> 44
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1581

Met Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Glu His Met Gly
1   5   10   15

Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser
            20   25   30

Gly Ser Ala Thr His Leu Glu Gly Gly Gly Gly Gly
        35   40

<210> 1582
<211> 61

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1582

Met Gly Ala Gln Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Glu
1 5 10 15

His Met Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser
20 25 30

Ser Gly Ser Gly Ser Ala Thr His Gln Glu Glu Cys Glu Trp Asp Pro
35 40 45

Trp Thr Cys Glu His Met Leu Glu Gly Gly Gly Gly Gly
50 55 60

<210> 1583
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1583

Gly Gly Gly Gly Gly Ala Gln Lys Phe Asn Pro Leu Asp Glu Leu Glu
1 5 10 15

Glu Thr Leu Tyr Glu Gln Phe Thr Phe Gln Gln Leu Glu
20 25

<210> 1584
<211> 51
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1584

Gly Gly Gly Gly Gly Ala Gln Gly Ser Gly Ser Ala Thr Gly Gly Ser
1 5 10 15

Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr His Lys Phe Asn
20 25 30

Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr Glu Gln Phe Thr Phe Gln
35 40 45

Gln Leu Glu
50

<210> 1585
<211> 57
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1585

Gly Gly Gly Gly Gly Ala Gln Lys Phe Asn Pro Leu Asp Glu Leu Glu
1 5 10 15

Glu Thr Leu Tyr Glu Gln Phe Thr Phe Gln Gln Gly Gly Gly Gly Gly
20 25 30

Gly Gly Gly Lys Phe Asn Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr
35 40 45

Glu Gln Phe Thr Phe Gln Gln Leu Glu
50 55

<210> 1586
<211> 23
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1586

Gly Gly Gly Gly Gly Ala Gln Gln Glu Glu Cys Glu Trp Asp Pro Trp
1   5   10   15

Thr Cys Glu His Met Leu Glu
            20

<210> 1587
<211> 45
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1587

Gly Gly Gly Gly Gly Ala Gln Gly Ser Gly Ser Ala Thr Gly Gly Ser
1   5   10   15

Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr His Gln Glu Glu
            20   25   30

Cys Glu Trp Asp Pro Trp Thr Cys Glu His Met Leu Glu
        35   40   45

<210> 1588
<211> 59

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1588

Gly Gly Gly Gly Gly Ala Gln Gln Glu Glu Cys Glu Trp Asp Pro Trp
1   5   10   15

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Thr Cys Glu His Met Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser
            20                  25                  30


Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr His Gln Glu Glu Cys Glu
        35                  40                  45


Trp Asp Pro Trp Thr Cys Glu His Met Leu Glu
    50                  55


<210>  1589
<211>  74
<212>  PRT
<213>  Artificial sequence

<220>
<223>  Synthetic peptide

<400>  1589

Met Gly Ala Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr Cys Glu His
1               5                   10                  15


Met Gly Gly Gly Gly Gly Gly Gly Gly Lys Phe Asn Pro Leu Asp Glu
            20                  25                  30


Leu Glu Glu Thr Leu Tyr Glu Gln Phe Thr Phe Gln Gln Gly Ser Gly
        35                  40                  45


Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser
    50                  55                  60


Ala Thr His Leu Glu Gly Gly Gly Gly Gly
65                  70


<210>  1590
<211>  70
<212>  PRT
<213>  Artificial sequence

<220>
<223>  Synthetic peptide
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<400> 1590

Gly Gly Gly Gly Gly Ala Gln Gly Ser Gly Ser Ala Thr Gly Gly Ser
1 5 10 15

Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr His Lys Phe Asn
20 25 30

Pro Leu Asp Glu Leu Glu Glu Thr Leu Tyr Glu Gln Phe Thr Phe Gln
35 40 45

Gln Gly Gly Gly Gly Gly Gln Glu Glu Cys Glu Trp Asp Pro Trp Thr
50 55 60

Cys Glu His Met Leu Glu
65 70

<210> 1591
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1591

Met Gly Ala Gln Phe Asp Tyr Cys Glu Gly Val Glu Asp Pro Phe Thr
1 5 10 15

Phe Gly Cys Asp Asn His Leu Glu Gly Gly Gly Gly Gly
20 25

<210> 1592
<211> 25
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1592

Met Gly Ala Gln Gln Tyr Gly Cys Asp Gly Phe Leu Tyr Gly Cys Met
1 5 10 15

Ile Asn Leu Glu Gly Gly Gly Gly Gly
20 25

<210> 1593
<211> 25
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1593

Met Gly Ala Gln Lys Arg Pro Cys Glu Glu Met Trp Gly Gly Cys Asn
1 5 10 15

Tyr Asp Leu Glu Gly Gly Gly Gly Gly
20 25

<210> 1594
<211> 25
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1594

Met Gly Ala Gln His Gln Ile Cys Lys Trp Asp Pro Trp Thr Cys Lys
1 5 10 15

His Trp Leu Glu Gly Gly Gly Gly Gly
20 25

<210> 1595
<211> 25
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1595

Met Gly Ala Gln Lys Arg Pro Cys Glu Glu Ile Phe Gly Gly Cys Thr
1 5 10 15

Tyr Gln Leu Glu Gly Gly Gly Gly Gly
20 25

<210> 1596
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1596

Gly Gly Gly Gly Gly Ala Gln Pro Ile Arg Gln Glu Glu Cys Asp Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Trp Glu Val Leu Glu
20 25

<210> 1597
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1597

Gly Gly Gly Gly Gly Ala Gln Thr Asn Ile Gln Glu Glu Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Asp His Met Pro Gly Lys Leu Glu
20 25

<210> 1598
<211> 29

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1598

Gly Gly Gly Gly Gly Ala Gln Trp Tyr Glu Gln Asp Ala Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Ala Glu Val Leu Glu
20 25

<210> 1599
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1599

Gly Gly Gly Gly Gly Ala Gln Asn Arg Leu Gln Glu Val Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Glu Asn Val Leu Glu
20 25

<210> 1600
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1600

Gly Gly Gly Gly Gly Ala Gln Ala Ala Thr Gln Glu Glu Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Pro Arg Ser Leu Glu
20 25

<210> 1601
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1601

Gly Gly Gly Gly Gly Ala Gln Leu Arg His Gln Glu Gly Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Phe Asp Trp Leu Glu
20 25

<210> 1602
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1602

Gly Gly Gly Gly Gly Ala Gln Val Pro Arg Gln Lys Asp Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Tyr Val Gly Leu Glu
20 25

<210> 1603
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1603

Gly Gly Gly Gly Gly Ala Gln Ser Ile Ser His Glu Glu Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Gln Val Gly Leu Glu
20 25

<210> 1604

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

<220>
<223> Synthetic peptide

<400> 1604

Gly Gly Gly Gly Gly Ala Gln Trp Ala Ala Gln Glu Glu Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Gly Arg Met Leu Glu
20 25

<210> 1605
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1605

Gly Gly Gly Gly Gly Ala Gln Thr Trp Pro Gln Asp Lys Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Gly Ser Thr Leu Glu
20 25

<210> 1606
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1606

Gly Gly Gly Gly Gly Ala Gln Gly His Ser Gln Glu Glu Cys Gly Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Gly Thr Ser Leu Glu
20 25

<210> 1607
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1607

Gly Gly Gly Gly Gly Ala Gln Gln His Trp Gln Glu Glu Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Asp His Met Pro Ser Lys Leu Glu
20 25

<210> 1608
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1608

Gly Gly Gly Gly Gly Ala Gln Asn Val Arg Gln Glu Lys Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Pro Val Arg Leu Glu
20 25

<210> 1609
<211> 29

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1609

Gly Gly Gly Gly Gly Ala Gln Lys Ser Gly Gln Val Glu Cys Asn Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Pro Arg Asn Leu Glu
20 25

<210> 1610
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1610

Gly Gly Gly Gly Gly Ala Gln Val Lys Thr Gln Glu His Cys Asp Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Arg Glu Trp Leu Glu
20 25

<210> 1611

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

<220>
<223> Synthetic peptide

<400> 1611

Gly Gly Gly Gly Gly Ala Gln Ala Trp Gly Gln Glu Gly Cys Asp Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Leu Pro Met Leu Glu

20 25

<210> 1612
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1612

Gly Gly Gly Gly Gly Ala Gln Pro Val Asn Gln Glu Asp Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Pro Pro Met Leu Glu
20 25

<210> 1613
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1613

Gly Gly Gly Gly Gly Ala Gln Arg Ala Pro Gln Glu Asp Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Ala His Met Asp Ile Lys Leu Glu
20 25

<210> 1614
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1614

Gly Gly Gly Gly Gly Ala Gln His Gly Gln Asn Met Glu Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Phe Arg Tyr Leu Glu
            20 25

<210> 1615
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1615

Gly Gly Gly Gly Gly Ala Gln Pro Arg Leu Gln Glu Glu Cys Val Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Pro Leu Arg Leu Glu
            20 25

<210> 1616
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1616

Gly Gly Gly Gly Gly Ala Gln Arg Thr Thr Gln Glu Lys Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Glu Ser Gln Leu Glu
            20 25

<210> 1617
<211> 29
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1617

Gly Gly Gly Gly Gly Ala Gln Gln Thr Ser Gln Glu Asp Cys Val Trp
1 5 10 15

Asp Pro Trp Thr Cys Asp His Met Val Ser Ser Leu Glu
20 25

<210> 1618

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

<220>
<223> Synthetic peptide

<400> 1618

Gly Gly Gly Gly Gly Ala Gln Gln Val Ile Gly Arg Pro Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Leu Glu Gly Leu Leu Glu
20 25

<210> 1619
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1619

Gly Gly Gly Gly Gly Ala Gln Trp Ala Gln Gln Glu Glu Cys Ala Trp
1 5 10 15

Asp Pro Trp Thr Cys Asp His Met Val Gly Leu Leu Glu
20 25

<210> 1620

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

<220>
<223> Synthetic peptide

<400> 1620

Gly Gly Gly Gly Gly Ala Gln Leu Pro Gly Gln Glu Asp Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Val Arg Ser Leu Glu
20 25

<210> 1621
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1621

Gly Gly Gly Gly Gly Ala Gln Pro Met Asn Gln Val Glu Cys Asp Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Pro Arg Ser Leu Glu
20 25

<210> 1622
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1622

Gly Gly Gly Gly Gly Ala Gln Phe Gly Trp Ser His Gly Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Gly Ser Thr Leu Glu
20 25

<210> 1623
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1623

Gly Gly Gly Gly Gly Ala Gln Lys Ser Thr Gln Asp Asp Cys Asp Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Val Gly Pro Leu Glu
20 25

<210> 1624
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1624

Gly Gly Gly Gly Gly Ala Gln Gly Pro Arg Ile Ser Thr Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Asp Gln Leu Leu Glu
20 25

<210> 1625

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

<220>
<223> Synthetic peptide

<400> 1625

Gly Gly Gly Gly Gly Ala Gln Ser Thr Ile Gly Asp Met Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Ala His Met Gln Val Asp Leu Glu
            20 25

<210> 1626
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1626

Gly Gly Gly Gly Gly Ala Gln Val Leu Gly Gly Gln Gly Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Arg Leu Leu Gln Gly Trp Leu Glu
            20 25

<210> 1627
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1627

Gly Gly Gly Gly Gly Ala Gln Val Leu Gly Gly Gln Gly Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Ser His Leu Glu Asp Gly Leu Glu
            20 25

<210> 1628
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1628

Gly Gly Gly Gly Gly Ala Gln Thr Thr Ile Gly Ser Met Cys Glu Trp
1   5   10   15

Asp Pro Trp Thr Cys Ala His Met Gln Gly Gly Leu Glu
            20   25

<210> 1629
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1629

Gly Gly Gly Gly Gly Ala Gln Thr Lys Gly Lys Ser Val Cys Gln Trp
1   5   10   15

Asp Pro Trp Thr Cys Ser His Met Gln Ser Gly Leu Glu
            20   25

<210> 1630
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1630

Gly Gly Gly Gly Gly Ala Gln Thr Thr Ile Gly Ser Met Cys Gln Trp
1   5   10   15

Asp Pro Trp Thr Cys Ala His Met Gln Gly Gly Leu Glu
            20   25

<210> 1631
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1631

Gly Gly Gly Gly Gly Ala Gln Trp Val Asn Glu Val Val Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Asn His Trp Asp Thr Pro Leu Glu
20 25

<210> 1632

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

<220>
<223> Synthetic peptide

<400> 1632

Gly Gly Gly Gly Gly Ala Gln Val Val Gln Val Gly Met Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Lys His Met Arg Leu Gln Leu Glu
20 25

<210> 1633
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1633

Gly Gly Gly Gly Gly Ala Gln Ala Val Gly Ser Gln Thr Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Ala His Leu Val Glu Val Leu Glu
20 25

<210> 1634
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1634

Gly Gly Gly Gly Gly Ala Gln Gln Gly Met Lys Met Phe Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Ala His Ile Val Tyr Arg Leu Glu
20 25

<210> 1635
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1635

Gly Gly Gly Gly Gly Ala Gln Thr Thr Ile Gly Ser Met Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu His Met Gln Gly Gly Leu Glu
20 25

<210> 1636
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1636

Gly Gly Gly Gly Gly Ala Gln Thr Ser Gln Arg Val Gly Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Gln His Leu Thr Tyr Thr Leu Glu
20 25

<210> 1637
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1637

Gly Gly Gly Gly Gly Ala Gln Gln Trp Ser Trp Pro Pro Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Gln Thr Val Trp Pro Ser Leu Glu
20 25

<210> 1638
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1638

Gly Gly Gly Gly Gly Ala Gln Gly Thr Ser Pro Ser Phe Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Ser His Met Val Gln Gly Leu Glu
20 25

<210> 1639

<211> 29
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1639

Gly Gly Gly Gly Gly Ala Gln Thr Gln Gly Leu His Gln Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Lys Val Leu Trp Pro Ser Leu Glu
20 25

<210> 1640
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1640

Gly Gly Gly Gly Gly Ala Gln Val Trp Arg Ser Gln Val Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Asn Leu Gly Gly Asp Trp Leu Glu
20 25

<210> 1641
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1641

Gly Gly Gly Gly Gly Ala Gln Asp Lys Ile Leu Glu Glu Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Gln Phe Phe Tyr Gly Ala Leu Glu
20 25

<210> 1642
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1642

Gly Gly Gly Gly Gly Ala Gln Ala Thr Phe Ala Arg Gln Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Ala Leu Gly Gly Asn Trp Leu Glu
20 25

<210> 1643
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1643

Gly Gly Gly Gly Gly Ala Gln Gly Pro Ala Gln Glu Glu Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Glu Pro Leu Pro Leu Met Leu Glu
20 25

<210> 1644
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1644

Gly Gly Gly Gly Gly Ala Gln Arg Pro Glu Asp Met Cys Ser Gln Trp
1 5 10 15

Asp Pro Trp Thr Trp His Leu Gln Gly Tyr Cys Leu Glu
20 25

<210> 1645
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1645

Gly Gly Gly Gly Gly Ala Gln Leu Trp Gln Leu Ala Val Cys Gln Trp
1 5 10 15

Asp Pro Gln Thr Cys Asp His Met Gly Ala Leu Leu Glu
20 25

<210> 1646

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

<220>
<223> Synthetic peptide

<400> 1646

Gly Gly Gly Gly Gly Ala Gln Thr Gln Leu Val Ser Leu Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Arg Leu Leu Asp Gly Trp Leu Glu
20 25

<210> 1647
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1647

Gly Gly Gly Gly Gly Ala Gln Met Gly Gly Ala Gly Arg Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Gln Leu Leu Gln Gly Trp Leu Glu
20 25

<210> 1648
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1648

Gly Gly Gly Gly Gly Ala Gln Met Phe Leu Pro Asn Glu Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Ser Asn Leu Pro Glu Ala Leu Glu
20 25

<210> 1649
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1649

Gly Gly Gly Gly Gly Ala Gln Phe Gly Trp Ser His Gly Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Arg Leu Leu Gln Gly Trp Leu Glu
20 25

<210> 1650
<211> 29

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1650

Gly Gly Gly Gly Gly Ala Gln Trp Pro Gln Thr Glu Gly Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Arg Leu Leu His Gly Trp Leu Glu
20 25

<210> 1651
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1651

Gly Gly Gly Gly Gly Ala Gln Pro Asp Thr Arg Gln Gly Cys Gln Trp
1 5 10 15

Asp Pro Trp Thr Cys Arg Leu Tyr Gly Met Trp Leu Glu
20 25

<210> 1652
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1652

Gly Gly Gly Gly Gly Ala Gln Thr Trp Pro Gln Asp Lys Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Arg Leu Leu Gln Gly Trp Leu Glu
20 25

<210> 1653

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

<220>
<223> Synthetic peptide

<400> 1653

Gly Gly Gly Gly Gly Ala Gln Asp Lys Ile Leu Glu Glu Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Arg Leu Leu Gln Gly Trp Leu Glu
20 25

<210> 1654
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1654

Gly Gly Gly Gly Gly Ala Gln Ala Ala Thr Gln Glu Glu Cys Glu Trp
1 5 10 15

Asp Pro Trp Thr Cys Arg Leu Leu Gln Gly Trp Leu Glu
20 25

<210> 1655
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1655

Met Gly Ala Gln Thr Asn Phe Met Pro Met Asp Asp Leu Glu Gln Arg

1 5 10 15

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

Gly

<210> 1656
<211> 33
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1656

Met Gly Ala Gln Thr Asn Tyr Lys Pro Leu Asp Glu Leu Asp Ala Thr
1 5 10 15

Leu Tyr Glu His Trp Ile Leu Gln His Ser Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1657
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1657

Met Gly Ala Gln Gln Lys Tyr Gln Pro Leu Asp Glu Leu Asp Lys Thr
1 5 10 15

Leu Tyr Asp Gln Phe Met Leu Gln Gln Gly Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1658
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1658

Met Gly Ala Gln Leu Asn Phe Thr Pro Leu Asp Glu Leu Glu Gln Thr
1 5 10 15

Leu Tyr Glu Gln Trp Thr Leu Gln Gln Ser Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1659
<211> 33
<212> PRT

<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1659

Met Gly Ala Gln Gln Lys Phe Gln Pro Leu Asp Glu Leu Glu Gln Thr
1 5 10 15

Leu Tyr Glu Gln Phe Met Leu Gln Gln Ala Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1660
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1660

Met Gly Ala Gln Gln Glu Tyr Glu Pro Leu Asp Glu Leu Asp Glu Thr
1 5 10 15

Leu Tyr Asn Gln Trp Met Phe His Gln Arg Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1661
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1661

Met Gly Ala Gln Val Lys Tyr Lys Pro Leu Asp Glu Leu Asp Glu Ile
1 5 10 15

Leu Tyr Glu Gln Gln Thr Phe Gln Glu Arg Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1662
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1662

Met Gly Ala Gln Thr Lys Phe Gln Pro Leu Asp Glu Leu Asp Gln Thr
1   5   10   15

Leu Tyr Glu Gln Trp Thr Leu Gln Gln Arg Leu Glu Gly Gly Gly Gly
            20   25   30

Gly

<210> 1663
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1663

Met Gly Ala Gln Thr Asn Phe Gln Pro Leu Asp Glu Leu Asp Gln Thr
1   5   10   15

Leu Tyr Glu Gln Trp Thr Leu Gln Gln Arg Leu Glu Gly Gly Gly Gly
            20   25   30

Gly

<210> 1664
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1664

Met Gly Ala Gln Gln Asn Phe Lys Pro Met Asp Glu Leu Glu Asp Thr
1 5 10 15

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

Gly

<210> 1665
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1665

Met Gly Ala Gln Val Lys Tyr Lys Pro Leu Asp Glu Leu Asp Glu Trp
1 5 10 15

Leu Tyr His Gln Phe Thr Leu His His Gln Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1666
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1666

Met Gly Ala Gln Tyr Lys Phe Thr Pro Leu Asp Asp Leu Glu Gln Thr
1 5 10 15

Leu Tyr Glu Gln Trp Thr Leu Gln His Val Leu Glu Gly Gly Gly Gly

20 25 30

Gly

<210> 1667
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1667

Met Gly Ala Gln Gln Asn Tyr Lys Pro Leu Asp Glu Leu Asp Ala Thr
1 5 10 15

Leu Tyr Glu His Phe Ile Phe His Tyr Thr Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1668
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1668

Met Gly Ala Gln Val Lys Phe Lys Pro Leu Asp Ala Leu Glu Gln Thr
1 5 10 15

Leu Tyr Glu His Trp Met Phe Gln Gln Ala Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1669
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1669

Met Gly Ala Gln Glu Asp Tyr Met Pro Leu Asp Ala Leu Asp Ala Gln
1 5 10 15

Leu Tyr Glu Gln Phe Ile Leu Leu His Gly Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1670
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1670

Met Gly Ala Gln Tyr Lys Phe Asn Pro Met Asp Glu Leu Glu Gln Thr
1 5 10 15

Leu Tyr Glu Glu Phe Leu Phe Gln His Ala Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1671
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1671

Met Gly Ala Gln Ser Asn Phe Met Pro Leu Asp Glu Leu Glu Gln Thr
1   5   10   15

Leu Tyr Glu Gln Phe Met Leu Gln His Gln Leu Glu Gly Gly Gly Gly
            20   25   30

Gly

<210> 1672
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1672

Met Gly Ala Gln Gln Lys Phe Gln Pro Leu Asp Glu Leu Glu Glu Thr
1   5   10   15

Leu Tyr Lys Gln Trp Thr Leu Gln Gln Arg Leu Glu Gly Gly Gly Gly
            20   25   30

Gly

<210> 1673
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1673

Met Gly Ala Gln Gln Lys Phe Met Pro Leu Asp Glu Leu Asp Glu Ile

1 5 10 15

Leu Tyr Glu Gln Phe Met Phe Gln Gln Ser Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1674
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1674

Met Gly Ala Gln Thr Lys Phe Asn Pro Leu Asp Glu Leu Glu Gln Thr
1 5 10 15

Leu Tyr Glu Gln Trp Thr Leu Gln His Gln Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1675
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1675

Met Gly Ala Gln His Thr Phe Gln Pro Leu Asp Glu Leu Glu Glu Thr
1 5 10 15

Leu Tyr Tyr Gln Trp Leu Tyr Asp Gln Leu Leu Glu Gly Gly Gly Gly

20 25 30

Gly

<210> 1676
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1676

Met Gly Ala Gln Gln Lys Phe Lys Pro Leu Asp Glu Leu Glu Gln Thr
1 5 10 15

Leu Tyr Glu Gln Trp Thr Leu Gln Gln Arg Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1677
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1677

Met Gly Ala Gln Gln Thr Phe Gln Pro Leu Asp Asp Leu Glu Glu Tyr
1 5 10 15

Leu Tyr Glu Gln Trp Ile Arg Arg Tyr His Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1678
<211> 33
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1678

Met Gly Ala Gln Ser Lys Phe Lys Pro Leu Asp Glu Leu Glu Gln Thr
1 5 10 15

Leu Tyr Glu Gln Trp Thr Leu Gln His Ala Leu Glu Gly Gly Gly Gly
20 25 30

Gly

<210> 1679
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1679

Gly Gly Gly Gly Gly Ala Gln Ser Gly Gln Leu Arg Pro Cys Glu Glu
1 5 10 15

Ile Phe Gly Cys Gly Thr Gln Asn Leu Ala Leu Leu Glu
20 25

<210> 1680
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1680

Gly Gly Gly Gly Gly Ala Gln Ala Gly Gly Met Arg Pro Tyr Asp Gly
1 5 10 15

Met Leu Gly Trp Pro Asn Tyr Asp Val Gln Ala Leu Glu
20 25

<210> 1681
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1681

Gly Gly Gly Gly Gly Ala Gln Gly Gln Asp Leu Arg Pro Cys Glu Asp
1 5 10 15

Met Phe Gly Cys Gly Thr Lys Asp Trp Tyr Gly Leu Glu
20 25

<210> 1682
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1682

Gly Gly Gly Gly Gly Ala Gln Ala Pro Gly Gln Arg Pro Tyr Asp Gly
1 5 10 15

Met Leu Gly Trp Pro Thr Tyr Gln Arg Ile Val Leu Glu
20 25

<210> 1683
<211> 29

<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1683

Gly Gly Gly Gly Gly Ala Gln Gln Thr Trp Asp Asp Pro Cys Met His
1 5 10 15

Ile Leu Gly Pro Val Thr Trp Arg Arg Cys Ile Leu Glu
20 25

<210> 1684
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1684

Gly Gly Gly Gly Gly Ala Gln Phe Gly Asp Lys Arg Pro Leu Glu Cys
1 5 10 15

Met Phe Gly Gly Pro Ile Gln Leu Cys Pro Arg Leu Glu
20 25

<210> 1685
<211> 23
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1685

Gly Gly Gly Gly Gly Ala Gln Lys Arg Pro Cys Glu Glu Ile Phe Gly
1 5 10 15

Gly Cys Thr Tyr Gln Leu Glu
20

<210> 1686
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1686

Gly Gly Gly Gly Gly Ala Gln Leu Gln Glu Trp Cys Glu Gly Val Glu
1 5 10 15

Asp Pro Phe Thr Phe Gly Cys Glu Lys Gln Arg Leu Glu
20 25

<210> 1687
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1687

Gly Gly Gly Gly Gly Ala Gln Met Leu Asp Tyr Cys Glu Gly Met Asp
1 5 10 15

Asp Pro Phe Thr Phe Gly Cys Asp Lys Gln Met Leu Glu
20 25

<210> 1688
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1688

Gly Gly Gly Gly Gly Ala Gln His Gln Glu Tyr Cys Glu Gly Met Glu

1 5 10 15

Asp Pro Phe Thr Phe Gly Cys Glu Tyr Gln Gly Leu Glu
20 25

<210> 1689
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1689

Gly Gly Gly Gly Gly Ala Gln Leu Gln Asp Tyr Cys Glu Gly Val Glu
1 5 10 15

Asp Pro Phe Thr Phe Gly Cys Glu Asn Gln Arg Leu Glu
20 25

<210> 1690
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1690

Gly Gly Gly Gly Gly Ala Gln Leu Leu Asp Tyr Cys Glu Gly Val Gln
1 5 10 15

Asp Pro Phe Thr Phe Gly Cys Glu Asn Leu Asp Leu Glu
20 25

<210> 1691
<211> 29
<212> PRT
<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1691

Gly Gly Gly Gly Gly Ala Gln Gly Phe Glu Tyr Cys Asp Gly Met Glu
1 5 10 15

Asp Pro Phe Thr Phe Gly Cys Asp Lys Gln Thr Leu Glu
20 25

<210> 1692
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1692

Gly Gly Gly Gly Gly Ala Gln Ala Gln Asp Tyr Cys Glu Gly Met Glu
1 5 10 15

Asp Pro Phe Thr Phe Gly Cys Glu Met Gln Lys Leu Glu
20 25

<210> 1693
<211> 29
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1693

Gly Gly Gly Gly Gly Ala Gln Leu Gln Asp Tyr Cys Glu Gly Val Glu
1 5 10 15

Asp Pro Phe Thr Phe Gly Cys Glu Lys Gln Arg Leu Glu
20 25

<210> 1694

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

<220>
<223> Synthetic peptide

<400> 1694

Gly Gly Gly Gly Gly Ala Gln Lys Leu Glu Tyr Cys Asp Gly Met Glu
1 5 10 15

Asp Pro Phe Thr Gln Gly Cys Asp Asn Gln Ser Leu Glu
20 25

<210> 1695
<211> 27
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1695

Gly Gly Gly Gly Gly Ala Gln Phe Asp Tyr Cys Glu Gly Val Glu Asp
1 5 10 15

Pro Phe Thr Phe Gly Cys Asp Asn His Leu Glu
20 25

<210> 1696
<211> 228
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1696

Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
1 5 10 15

```
Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
            20                  25                  30

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
        35                  40                  45

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
    50                  55                  60

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
65                  70                  75                  80

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
                85                  90                  95

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
            100                 105                 110

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
        115                 120                 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
    130                 135                 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
145                 150                 155                 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
                165                 170                 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
            180                 185                 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
        195                 200                 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
    210                 215                 220
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Ser Pro Gly Lys
225

<210> 1697
<211> 62
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1697

Gly Cys Lys Trp Asp Leu Leu Ile Lys Gln Trp Val Cys Asp Pro Leu
1 5 10 15

Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
20 25 30

Ser Gly Ser Ala Thr His Met Leu Pro Gly Cys Lys Trp Asp Leu Leu
35 40 45

Ile Lys Gln Trp Val Cys Asp Pro Leu Gly Gly Gly Gly Gly
50 55 60

<210> 1698
<211> 290
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1698

Gly Cys Lys Trp Asp Leu Leu Ile Lys Gln Trp Val Cys Asp Pro Leu
1 5 10 15

Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
20 25 30

```
Ser Gly Ser Ala Thr His Met Leu Pro Gly Cys Lys Trp Asp Leu Leu
        35                  40                  45

Ile Lys Gln Trp Val Cys Asp Pro Leu Gly Gly Gly Gly Gly Val Asp
    50                  55                  60

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly
65                  70                  75                  80

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
                85                  90                  95

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
            100                 105                 110

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
        115                 120                 125

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg
    130                 135                 140

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
145                 150                 155                 160

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu
                165                 170                 175

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
            180                 185                 190

Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu
        195                 200                 205

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
    210                 215                 220

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
225                 230                 235                 240
```

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
245 250 255

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
260 265 270

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
275 280 285

Gly Lys
290

<210> 1699
<211> 228
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1699

Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
1 5 10 15

Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
20 25 30

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
35 40 45

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu

50 55 60

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
65 70 75 80

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn

```
                85                  90                  95

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
            100                 105                 110

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
        115                 120                 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
    130                 135                 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
145                 150                 155                 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
                165                 170                 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
            180                 185                 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
        195                 200                 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
    210                 215                 220

Ser Pro Gly Lys
225
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<210> 1700
<211> 27
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1700

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Gly Gly Gly Gly Gly Ala Gln Leu Ala Asp His Gly Gln Cys Ile Arg
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1 5 10 15

Trp Pro Trp Met Cys Pro Pro Glu Gly Trp Glu
20 25

<210> 1701
<211> 255
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 1701

Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
1 5 10 15

Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
20 25 30

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
35 40 45

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
50 55 60

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
65 70 75 80

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
85 90 95

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
100 105 110

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
115 120 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val

```
    130                 135                 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
145                 150                 155                 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
                165                 170                 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
            180                 185                 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
        195                 200                 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
    210                 215                 220

Ser Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Leu Ala Asp His Gly
225                 230                 235                 240

Gln Cys Ile Arg Trp Pro Trp Met Cys Pro Pro Glu Gly Trp Glu
                245                 250                 255
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