SEQUENCE LISTING

<110> NEON THERAPEUTICS, INC.

<120> NEOANTIGENS AND USES THEREOF

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<140>PCT/US2019/038019
<141>2019-06-19

<150> 62/800,735
<151> 2019-02-04

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1 5

<210> 114
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<220>
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<400> 114
Lys Leu Val Val Val Gly Ala Ser Gly
1 5

<210> 115
<211> 9
<212> PRT
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<220>
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<400> 115
Leu Asp Ile Leu Asp Thr Ala Gly Arg
1 5

<210> 116
<211> 9
<212> PRT
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<220>
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<400> 116
Leu Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 117
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 117
Leu Val Val Val Gly Ala Arg Gly Val
1 5

<210> 118
<211> 9
<212> PRT
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<220>
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<400> 118
Leu Val Val Val Gly Ala Ser Gly Val
1 5

<210> 119
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 119
Arg Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr
1 5 10

<210> 120
<211> 8
<212> PRT
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<220>
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<400> 120
Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 121
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 121
Thr Ala Gly Leu Glu Glu Tyr Ser Ala
1 5

<210> 122
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 122
Thr Glu Tyr Lys Leu Val Val Val Gly Ala Ala
1 5 10

<210> 123
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 123
Val Gly Ala Ala Gly Val Gly Lys Ser Ala
1 5 10

<210> 124
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 124
Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 125
<211> 10
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 125
Val Gly Ala Ser Gly Val Gly Lys Ser Ala
1 5 10

<210> 126
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 126
Val Gly Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 127
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 127
Val Val Val Gly Ala Ala Gly Val
1 5

<210> 128
<211> 8
<212> PRT
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<220>
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peptide

<400> 128
Val Val Val Gly Ala Val Gly Val
1 5

<210> 129
<211> 9
<212> PRT
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<220>
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peptide

<400> 129
Tyr Lys Leu Val Val Val Gly Ala Cys
1 5

<210> 130
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 130
Tyr Lys Leu Val Val Val Gly Ala Asp
1 5

<210> 131
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 131
Tyr Lys Leu Val Val Val Gly Ala Arg
1 5

<210> 132
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 132
Asp Ile Leu Asp Thr Ala Gly Lys Glu
1 5

<210> 133
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<220>
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<400> 133

Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 134
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<220>
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<400> 134
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 135
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<220>
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<400> 135
Leu Val Val Val Gly Ala Asp Gly Val
1 5

<210> 136
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<213> Artificial Sequence

<220>
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<400> 136
Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 137
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 137
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 138
<211> 10
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<213> Artificial Sequence

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

<400> 138
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 139
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 139
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 140
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 140
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 141
<211> 9
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<220>
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<400> 141
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 142
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 142
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 143
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 143
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 144
<211> 10
<212> PRT
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<220>
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<400> 144
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 145
<211> 9
<212> PRT
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<400> 145
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 146
<211> 9

<212> PRT
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<220>
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peptide

<400> 146
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 147
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 147
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 148
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 148
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 149
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 149
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 150
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 150
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 151
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 151
Phe Leu Val Val Val Gly Ala Cys Gly Leu
1 5 10

<210> 152
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 152
Phe Met Val Val Val Gly Ala Cys Gly Ile
1 5 10

<210> 153
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 153
Phe Leu Val Val Val Gly Ala Cys Gly Ile
1 5 10

<210> 154
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 154
Phe Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 155
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 155
Phe Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 156
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 156
Met Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 157
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 157
Phe Met Val Val Val Gly Ala Cys Gly Leu
1 5 10

<210> 158
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 158
Tyr Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 159
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 159
Lys Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 160
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 160
Tyr Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 161
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 161
Met Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 162
<211> 13
<212> PRT
<213> Artificial Sequence

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

<400> 162

Thr Glu Tyr Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 163
<211> 26
<212> PRT
<213> Artificial Sequence

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

<400> 163
Trp Gln Ala Gly Ile Leu Ala Arg Lys Leu Val Val Val Gly Ala Val
1 5 10 15

Gly Val Gln Gly Gln Asn Leu Lys Tyr Gln
20 25

<210> 164
<211> 25
<212> PRT
<213> Artificial Sequence

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

<400> 164
His Ser Tyr Thr Thr Ala Glu Lys Leu Val Val Val Gly Ala Val Gly
1 5 10 15

Val Ile Leu Gly Val Leu Leu Leu Ile
20 25

<210> 165
<211> 26
<212> PRT
<213> Artificial Sequence

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

<400> 165
Pro Leu Thr Glu Glu Lys Ile Lys Lys Leu Val Val Val Gly Ala Val
1 5 10 15

Gly Val Glu Lys Glu Gly Lys Ile Ser Lys
20 25

<210> 166
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 166
Gly Ala Leu His Phe Lys Pro Gly Ser Arg Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Ala Ala Ser Asp Phe Ile Phe Leu Val Thr
20 25 30

<210> 167
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 167
Arg Arg Ala Asn Lys Asp Ala Thr Ala Glu Lys Leu Val Val Val Gly
1 5 10 15

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

<210> 168
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 168
Lys Ala Phe Ile Ser His Glu Glu Lys Arg Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Lys Lys Lys Leu Ile Asn Glu Lys Lys Glu
20 25 30

<210> 169
<211> 30
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 169
Thr Asp Leu Ser Ser Arg Phe Ser Lys Ser Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Lys Lys Cys Asp Ile Ser Leu Gln Phe Phe
20 25 30

<210> 170
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 170
Phe Asp Leu Gly Gly Gly Thr Phe Asp Val Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Lys Ser Thr Ala Gly Asp Thr His Leu Gly
20 25 30

<210> 171
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 171
Cys Leu Leu Leu His Tyr Ser Val Ser Lys Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Ala Thr Phe Tyr Val Ala Val Thr Val Pro
20 25 30

<210> 172
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 172
Ile Asp Ile Ile Met Lys Ile Arg Asn Ala
1 5 10

<210> 173
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 173
Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
1 5 10 15

Phe Phe Phe Phe Ile Ile Phe Phe Ile Phe Phe Trp Met Cys
20 25 30

<210> 174
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 174
Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
1 5 10 15

Phe Phe Phe Phe Phe Phe Phe Phe Ala Ala Phe Trp Phe Trp
20 25 30

<210> 175
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 175
Ile Phe Phe Ile Phe Phe Ile Ile Phe Phe Phe Phe Phe Phe Phe Phe
1 5 10 15

Phe Phe Phe Phe Ile Ile Ile Ile Ile Ile Ile Trp Glu Cys
20 25 30

<210> 176
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

<400> 176
Phe Ile Phe Phe Phe Ile Ile Phe Phe Phe Phe Phe Ile Phe Phe Phe
1 5 10 15

Phe Phe Ile Phe Ile Ile Ile Ile Ile Ile Phe Trp Glu Cys
20 25 30

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

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

<400> 177
Trp Gln Ala Gly Ile Leu Ala Arg
1 5

<210> 178
<211> 7
<212> PRT
<213> Artificial Sequence

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

<400> 178
His Ser Tyr Thr Thr Ala Glu
1 5

<210> 179
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 179

Pro Leu Thr Glu Glu Lys Ile Lys
1 5

<210> 180
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 180
Gly Ala Leu His Phe Lys Pro Gly Ser Arg
1 5 10

<210> 181
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 181
Arg Arg Ala Asn Lys Asp Ala Thr Ala Glu
1 5 10

<210> 182
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 182
Lys Ala Phe Ile Ser His Glu Glu Lys Arg
1 5 10

<210> 183
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 183
Thr Asp Leu Ser Ser Arg Phe Ser Lys Ser
1 5 10

<210> 184
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 184
Phe Asp Leu Gly Gly Gly Thr Phe Asp Val
1 5 10

<210> 185
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 185
Cys Leu Leu Leu His Tyr Ser Val Ser Lys
1 5 10

<210> 186
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 186
Met Thr Glu Tyr Lys Leu Val Val Val
1 5

<210> 187
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 187
Lys Lys Asn Lys Lys Asp Asp Ile Lys Asp
1 5 10

<210> 188
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 188
Ala Gly Asn Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp
1 5 10 15

Asp Asp Asp Asp Lys Lys Asp Lys Asp Asp Asp Asp Asp Asp
20 25 30

<210> 189
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 189
Ala Gly Asn Lys Lys Lys Lys Lys Lys Lys Asn Asn Asn Asn Asn Asn
1 5 10 15

Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn
20 25 30

<210> 190
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 190
Ala Gly Arg Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp
1 5 10 15

Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp
20 25 30

<210> 191
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 191
Gly Lys Ser Ala Leu Thr Ile Gln Leu
1 5

<210> 192
<211> 7
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 192
Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 193
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 193
Gln Gly Gln Asn Leu Lys Tyr Gln
1 5

<210> 194
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 194
Ile Leu Gly Val Leu Leu Leu Ile
1 5

<210> 195
<211> 8
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 195
Glu Lys Glu Gly Lys Ile Ser Lys
1 5

<210> 196
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 196
Ala Ala Ser Asp Phe Ile Phe Leu Val Thr
1 5 10

<210> 197
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 197
Lys Glu Leu Lys Gln Val Ala Ser Pro Phe
1 5 10

<210> 198
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 198
Lys Lys Lys Leu Ile Asn Glu Lys Lys Glu
1 5 10

<210> 199
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 199
Lys Lys Cys Asp Ile Ser Leu Gln Phe Phe
1 5 10

<210> 200
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 200
Lys Ser Thr Ala Gly Asp Thr His Leu Gly
1 5 10

<210> 201
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 201
Ala Thr Phe Tyr Val Ala Val Thr Val Pro
1 5 10

<210> 202
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 202
Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr Asp Pro
1 5 10 15

Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
20 25 30

<210> 203
<211> 30
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 203
Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr Asp Pro Thr
1 5 10 15

Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly Glu
20 25 30

<210> 204
<211> 9
<212> PRT
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<220>
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peptide

<400> 204
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 205
<211> 9
<212> PRT
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<220>
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peptide

<400> 205
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 206
<211> 9
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peptide

<400> 206
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 207
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 207
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 208
<211> 10
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<223> Description of Artificial Sequence: Synthetic peptide

<400> 208
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 209
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<213> Artificial Sequence

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<400> 209
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 210
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<400> 210
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 211
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 211
Gly Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5 10

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

<400> 212
Gly Ala Val Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 213
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 213
Gly Ala Asp Gly Val Gly Lys Ser Ala
1 5

<210> 214
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 214
Gly Ala Cys Gly Val Gly Lys Ser Ala
1 5

<210> 215
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 215
Gly Ala Val Gly Val Gly Lys Ser Ala
1 5

<210> 216
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 216
Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 217
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 217
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 218
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 218
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 219
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 219

Leu Val Val Val Gly Ala Asp Gly Val
1 5

<210> 220
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 220
Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 221
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 221
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 222
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 222
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 223
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 223
Gly Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 224
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 224
Gly Ala Val Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 225
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 225
Gly Ala Asp Gly Val Gly Lys Ser Ala
1 5

<210> 226
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 226
Gly Ala Cys Gly Val Gly Lys Ser Ala
1 5

<210> 227
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 227
Gly Ala Val Gly Val Gly Lys Ser Ala
1 5

<210> 228
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 228
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 229
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 229
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 230
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 230
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 231
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 231
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 232
<211> 10

<212> PRT
<213> Artificial Sequence

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

<400> 232
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 233
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 233
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 234
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 234
Val Val Gly Ala Ser Gly Val Gly Lys
1 5

<210> 235
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 235
Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Lys
1 5 10

<210> 236
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 236
Val Val Val Gly Ala Ser Gly Val Gly Lys
1 5 10

<210> 237
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 237
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 238
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 238
Val Ala Asp Gly Leu Ile Thr Thr Leu His Tyr Pro Ala Pro Lys Arg
1 5 10 15

Asn Lys Pro Thr Val Tyr Gly Val Ser Pro Asn Tyr Asp Lys Trp Glu
20 25 30

Met Glu Arg Thr Asp Ile Thr Met Lys His Lys Leu Gly Gly Gly Gln
35 40 45

Tyr Gly Lys Val Tyr Glu Gly Val Trp Lys Lys Tyr Ser Leu Thr Val
50 55 60

Ala Val Lys Thr Leu Lys Glu Asp Thr Met Glu Val Glu Glu Phe Leu
65 70 75 80

Lys Glu Ala Ala Val Met Lys Glu Ile Lys His Pro Asn Leu Val Gln
85 90 95

Leu Leu Gly Val Cys
100

<210> 239
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 239
Val Ala Asp Gly Leu Ile Thr Thr Leu His Tyr Pro Ala Pro Lys Arg
1 5 10 15

Asn Lys Pro Thr Val Tyr Gly Val Ser Pro Asn Tyr Asp Lys Trp Glu
20 25 30

Met Glu Arg Thr Asp Ile Thr Met Lys His Lys Leu Gly Gly Gly Gln
35 40 45

Tyr Gly Val Val Tyr Glu Gly Val Trp Lys Lys Tyr Ser Leu Thr Val
50 55 60

Ala Val Lys Thr Leu Lys Glu Asp Thr Met Glu Val Glu Glu Phe Leu
65 70 75 80

Lys Glu Ala Ala Val Met Lys Glu Ile Lys His Pro Asn Leu Val Gln
85 90 95

Leu Leu Gly Val Cys
100

<210> 240
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 240
Leu Leu Gly Val Cys Thr Arg Glu Pro Pro Phe Tyr Ile Ile Thr Glu
1 5 10 15

Phe Met Thr Tyr Gly Asn Leu Leu Asp Tyr Leu Arg Glu Cys Asn Arg
20 25 30

```
Gln Glu Val Asn Ala Val Val Leu Leu Tyr Met Ala Thr Gln Ile Ser
        35                  40                  45

Ser Ala Thr Glu Tyr Leu Glu Lys Lys Asn Phe Ile His Arg Asp Leu
    50                  55                  60

Ala Ala Arg Asn Cys Leu Val Gly Glu Asn His Leu Val Lys Val Ala
65                  70                  75                  80

Asp Phe Gly Leu Ser Arg Leu Met Thr Gly Asp Thr Tyr Thr Ala His
                85                  90                  95

Ala Gly Ala Lys Phe
            100
```

<210> 241
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 241

```
Ser Leu Thr Val Ala Val Lys Thr Leu Lys Glu Asp Thr Met Glu Val
1               5                   10                  15

Glu Glu Phe Leu Lys Glu Ala Ala Val Met Lys Glu Ile Lys His Pro
            20                  25                  30

Asn Leu Val Gln Leu Leu Gly Val Cys Thr Arg Glu Pro Pro Phe Tyr
        35                  40                  45

Ile Ile Ile Glu Phe Met Thr Tyr Gly Asn Leu Leu Asp Tyr Leu Arg
    50                  55                  60

Glu Cys Asn Arg Gln Glu Val Asn Ala Val Val Leu Leu Tyr Met Ala
65                  70                  75                  80

Thr Gln Ile Ser Ser Ala Met Glu Tyr Leu Glu Lys Lys Asn Phe Ile
                85                  90                  95

His Arg Asp Leu Ala
            100
```

<210> 242
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 242
Ser Thr Val Ala Asp Gly Leu Ile Thr Thr Leu His Tyr Pro Ala Pro
1 5 10 15

Lys Arg Asn Lys Pro Thr Val Tyr Gly Val Ser Pro Asn Tyr Asp Lys
20 25 30

Trp Glu Met Glu Arg Thr Asp Ile Thr Met Lys His Lys Leu Gly Gly
35 40 45

Gly Gln His Gly Glu Val Tyr Glu Gly Val Trp Lys Lys Tyr Ser Leu
50 55 60

Thr Val Ala Val Lys Thr Leu Lys Glu Asp Thr Met Glu Val Glu Glu
65 70 75 80

Phe Leu Lys Glu Ala Ala Val Met Lys Glu Ile Lys His Pro Asn Leu
85 90 95

Val Gln Leu Leu Gly
100

<210> 243
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 243
Ser Ser Leu Ala Met Leu Asp Leu Leu His Val Ala Arg Asp Ile Ala
1 5 10 15

Cys Gly Cys Gln Tyr Leu Glu Glu Asn His Phe Ile His Arg Asp Ile
20 25 30

Ala Ala Arg Asn Cys Leu Leu Thr Cys Pro Gly Pro Gly Arg Val Ala
35 40 45

Lys Ile Ala Asp Phe Gly Met Ala Arg Asp Ile Tyr Arg Ala Ser Tyr
50 55 60

Tyr Arg Lys Gly Gly Cys Ala Met Leu Pro Val Lys Trp Met Pro Pro
65 70 75 80

Glu Ala Phe Met Glu Gly Ile Phe Thr Ser Lys Thr Asp Thr Trp Ser
85 90 95

Phe Gly Val Leu Leu
100

<210> 244
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 244
Gln Val Ala Val Lys Thr Leu Pro Glu Val Cys Ser Glu Gln Asp Glu
1 5 10 15

Leu Asp Phe Leu Met Glu Ala Leu Ile Ile Ser Lys Phe Asn His Gln
20 25 30

Asn Ile Val Arg Cys Ile Gly Val Ser Leu Gln Ser Leu Pro Arg Phe
35 40 45

Ile Leu Met Glu Leu Met Ala Gly Gly Asp Leu Lys Ser Phe Leu Arg
50 55 60

Glu Thr Arg Pro Arg Pro Ser Gln Pro Ser Ser Leu Ala Met Leu Asp
65 70 75 80

Leu Leu His Val Ala Arg Asp Ile Ala Cys Gly Cys Gln Tyr Leu Glu
85 90 95

Glu Asn His Phe Ile
100

<210> 245
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 245
Met Ile Lys Leu Ile Asp Ile Ala Arg Gln Thr Ala Gln Gly Met Asp
1 5 10 15

Tyr Leu His Ala Lys Ser Ile Ile His Arg Asp Leu Lys Ser Asn Asn
20 25 30

Ile Phe Leu His Glu Asp Leu Thr Val Lys Ile Gly Asp Phe Gly Leu
35 40 45

Ala Thr Glu Lys Ser Arg Trp Ser Gly Ser His Gln Phe Glu Gln Leu
50 55 60

Ser Gly Ser Ile Leu Trp Met Ala Pro Glu Val Ile Arg Met Gln Asp
65 70 75 80

Lys Asn Pro Tyr Ser Phe Gln Ser Asp Val Tyr Ala Phe Gly Ile Val
85 90 95

Leu Tyr Glu Leu Met
100

<210> 246
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 246
Met Ile Lys Glu Gly Ser Met Ser Glu Asp Glu Phe Ile Glu Glu Ala
1 5 10 15

Lys Val Met Met Asn Leu Ser His Glu Lys Leu Val Gln Leu Tyr Gly
20 25 30

Val Cys Thr Lys Gln Arg Pro Ile Phe Ile Ile Thr Glu Tyr Met Ala
35 40 45

Asn Gly Ser Leu Leu Asn Tyr Leu Arg Glu Met Arg His Arg Phe Gln
50 55 60

Thr Gln Gln Leu Leu Glu Met Cys Lys Asp Val Cys Glu Ala Met Glu
65 70 75 80

Tyr Leu Glu Ser Lys Gln Phe Leu His Arg Asp Leu Ala Ala Arg Asn
85 90 95

Cys Leu Val Asn Asp
100

<210> 247
<211> 93
<212> PRT
<213> Artificial Sequence

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

<400> 247
Met Gly Phe Gly Asp Leu Lys Ser Pro Ala Gly Leu Gln Val Leu Asn
1 5 10 15

Asp Tyr Leu Ala Asp Lys Ser Tyr Ile Glu Gly Tyr Val Pro Ser Gln
20 25 30

Ala Asp Val Ala Val Phe Glu Ala Val Ser Gly Pro Pro Pro Ala Asp
35 40 45

Leu Cys His Ala Leu Arg Trp Tyr Asn His Ile Lys Ser Tyr Glu Lys
50 55 60

Glu Lys Ala Ser Leu Pro Gly Val Lys Lys Ala Leu Gly Lys Tyr Gly
65 70 75 80

Pro Ala Asp Val Glu Asp Thr Thr Gly Ser Gly Ala Thr
85 90

<210> 248
<211> 101
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 248
Ser Leu Asn Ile Thr Ser Leu Gly Leu Arg Ser Leu Lys Glu Ile Ser
1 5 10 15

Asp Gly Asp Val Ile Ile Ser Gly Asn Lys Asn Leu Cys Tyr Ala Asn
20 25 30

Thr Ile Asn Trp Lys Lys Leu Phe Gly Thr Ser Gly Gln Lys Thr Lys
35 40 45

Ile Ile Arg Asn Arg Gly Glu Asn Ser Cys Lys Ala Thr Gly Gln Val
50 55 60

Cys His Ala Leu Cys Ser Pro Glu Gly Cys Trp Gly Pro Glu Pro Arg
65 70 75 80

Asp Cys Val Ser Cys Arg Asn Val Ser Arg Gly Arg Glu Cys Val Asp
85 90 95

Lys Cys Asn Leu Leu
100

<210> 249
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 249
Ile Pro Val Ala Ile Lys Glu Leu Arg Glu Ala Thr Ser Pro Lys Ala
1 5 10 15

Asn Lys Glu Ile Leu Asp Glu Ala Tyr Val Met Ala Ser Val Asp Asn
20 25 30

Pro His Val Cys Arg Leu Leu Gly Ile Cys Leu Thr Ser Thr Val Gln
35 40 45

Leu Ile Met Gln Leu Met Pro Phe Gly Cys Leu Leu Asp Tyr Val Arg
50 55 60

Glu His Lys Asp Asn Ile Gly Ser Gln Tyr Leu Leu Asn Trp Cys Val
65 70 75 80

Gln Ile Ala Lys Gly Met Asn Tyr Leu Glu Asp Arg Arg Leu Val His
85 90 95

Arg Asp Leu Ala Ala
100

<210> 250
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 250
Glu Arg Cys Glu Val Val Met Gly Asn Leu Glu Ile Val Leu Thr Gly
1 5 10 15

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

Tyr Val Leu Val Ala Met Asn Glu Phe Ser Thr Leu Pro Leu Pro Asn
35 40 45

Leu Arg Met Val Arg Gly Thr Gln Val Tyr Asp Gly Lys Phe Ala Ile
50 55 60

Phe Val Met Leu Asn Tyr Asn Thr Asn Ser Ser His Ala Leu Arg Gln
65 70 75 80

Leu Arg Leu Thr Gln Leu Thr Glu Ile Leu Ser Gly Gly Val Tyr Ile
85 90 95

Glu Lys Asn Asp Lys
100

<210> 251
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 251
His Leu Met Ala Lys Ala Gly Leu Thr Leu Gln Gln Gln His Gln Arg
1 5 10 15

Leu Ala Gln Leu Leu Leu Ile Leu Ser His Ile Arg His Met Ser Asn
20 25 30

Lys Gly Met Glu His Leu Tyr Ser Met Lys Cys Lys Asn Val Val Pro
35 40 45

Leu Tyr Gly Leu Leu Leu Glu Met Leu Asp Ala His Arg Leu His Ala
50 55 60

Pro Thr Ser Arg Gly Gly Ala Ser Val Glu Glu Thr Asp Gln Ser His
65 70 75 80

Leu Ala Thr Ala Gly Ser Thr Ser Ser His Ser Leu Gln Lys Tyr Tyr
85 90 95

Ile Thr Gly Glu Ala
100

<210> 252
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 252
Asn Gln Gly Lys Cys Val Glu Gly Met Val Glu Ile Phe Asp Met Leu
1 5 10 15

Leu Ala Thr Ser Ser Arg Phe Arg Met Met Asn Leu Gln Gly Glu Glu
20 25 30

Phe Val Cys Leu Lys Ser Ile Ile Leu Leu Asn Ser Gly Val Tyr Thr
35 40 45

Phe Leu Pro Ser Thr Leu Lys Ser Leu Glu Glu Lys Asp His Ile His
50 55 60

Arg Val Leu Asp Lys Ile Thr Asp Thr Leu Ile His Leu Met Ala Lys
65 70 75 80

Ala Gly Leu Thr Leu Gln Gln Gln His Gln Arg Leu Ala Gln Leu Leu
85 90 95

Leu Ile Leu Ser His
100

<210> 253
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 253
Ile His Leu Met Ala Lys Ala Gly Leu Thr Leu Gln Gln Gln His Gln
1 5 10 15

Arg Leu Ala Gln Leu Leu Leu Ile Leu Ser His Ile Arg His Met Ser
20 25 30

Asn Lys Gly Met Glu His Leu Tyr Ser Met Lys Cys Lys Asn Val Val
35 40 45

Pro Leu Cys Asp Leu Leu Leu Glu Met Leu Asp Ala His Arg Leu His
50 55 60

Ala Pro Thr Ser Arg Gly Gly Ala Ser Val Glu Glu Thr Asp Gln Ser
65 70 75 80

His Leu Ala Thr Ala Gly Ser Thr Ser Ser His Ser Leu Gln Lys Tyr
85 90 95

Tyr Ile Thr Gly Glu
100

<210> 254
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 254

```
Ile His Leu Met Ala Lys Ala Gly Leu Thr Leu Gln Gln Gln His Gln
1               5                   10                  15

Arg Leu Ala Gln Leu Leu Leu Ile Leu Ser His Ile Arg His Met Ser
            20                  25                  30

Asn Lys Gly Met Glu His Leu Tyr Ser Met Lys Cys Lys Asn Val Val
        35                  40                  45

Pro Leu Asn Asp Leu Leu Leu Glu Met Leu Asp Ala His Arg Leu His
    50                  55                  60

Ala Pro Thr Ser Arg Gly Gly Ala Ser Val Glu Glu Thr Asp Gln Ser
65                  70                  75                  80

His Leu Ala Thr Ala Gly Ser Thr Ser Ser His Ser Leu Gln Lys Tyr
                85                  90                  95

Tyr Ile Thr Gly Glu
            100
```

<210> 255
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 255

```
Ile His Leu Met Ala Lys Ala Gly Leu Thr Leu Gln Gln Gln His Gln
1               5                   10                  15

Arg Leu Ala Gln Leu Leu Leu Ile Leu Ser His Ile Arg His Met Ser
            20                  25                  30

Asn Lys Gly Met Glu His Leu Tyr Ser Met Lys Cys Lys Asn Val Val
        35                  40                  45

Pro Leu Ser Asp Leu Leu Leu Glu Met Leu Asp Ala His Arg Leu His
    50                  55                  60

Ala Pro Thr Ser Arg Gly Gly Ala Ser Val Glu Glu Thr Asp Gln Ser
65                  70                  75                  80
```

His Leu Ala Thr Ala Gly Ser Thr Ser Ser His Ser Leu Gln Lys Tyr
85 90 95

Tyr Ile Thr Gly Glu
100

<210> 256
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 256
His Arg Ile Gly Gly Ile Lys Leu Arg His Gln Gln Trp Ser Leu Val
1 5 10 15

Met Glu Ser Val Val Pro Ser Asp Arg Gly Asn Tyr Thr Cys Val Val
20 25 30

Glu Asn Lys Phe Gly Ser Ile Arg Gln Thr Tyr Thr Leu Asp Val Leu
35 40 45

Glu Arg Cys Pro His Arg Pro Ile Leu Gln Ala Gly Leu Pro Ala Asn
50 55 60

Gln Thr Ala Val Leu Gly Ser Asp Val Glu Phe His Cys Lys Val Tyr
65 70 75 80

Ser Asp Ala Gln Pro His Ile Gln Trp Leu Lys His Val Glu Val Asn
85 90 95

Gly Ser Lys Val Gly
100

<210> 257
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 257
Ala Val Lys Leu Ser Asp Ser Arg Ile Ala Leu Lys Ser Gly Tyr Gly
1 5 10 15

Lys Tyr Leu Gly Ile Asn Ser Asp Glu Leu Val Gly His Ser Asp Ala
20 25 30

Ile Gly Pro Arg Glu Gln Trp Glu Pro Val Phe Gln Asn Gly Lys Met
35 40 45

Ala Leu Ser Ala Ser Asn Ser Cys Phe Ile Arg Cys Asn Glu Ala Gly
50 55 60

Asp Ile Glu Ala Lys Ser Lys Thr Ala Gly Glu Glu Glu Met Ile Lys
65 70 75 80

Ile Arg Ser Cys Ala Glu Lys Glu Thr Lys Lys Lys Asp Asp Ile Pro
85 90 95

Glu Glu Asp Lys Gly
100

<210> 258
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 258
Gly Ser Gly Ala Phe Gly Thr Val Tyr Lys Gly Ile Trp Ile Pro Asp
1 5 10 15

Gly Glu Asn Val Lys Ile Pro Val Ala Ile Lys Val Leu Arg Glu Asn
20 25 30

Thr Ser Pro Lys Ala Asn Lys Glu Ile Leu Asp Glu Ala Tyr Val Met
35 40 45

Ala Gly Leu Gly Ser Pro Tyr Val Ser Arg Leu Leu Gly Ile Cys Leu
50 55 60

Thr Ser Thr Val Gln Leu Val Thr Gln Leu Met Pro Tyr Gly Cys Leu
65 70 75 80

Leu Asp His Val Arg Glu Asn Arg Gly Arg Leu Gly Ser Gln Asp Leu
85 90 95

Leu Asn Trp Cys Met
100

<210> 259
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 259
Arg Val Glu Glu Phe Lys Leu Lys Gln Met Trp Lys Ser Pro Asn Gly
1 5 10 15

Thr Ile Arg Asn Ile Leu Gly Gly Thr Val Phe Arg Glu Ala Ile Ile
20 25 30

Cys Lys Asn Ile Pro Arg Leu Val Ser Gly Trp Val Lys Pro Ile Ile
35 40 45

Ile Gly His His Ala Tyr Gly Asp Gln Tyr Arg Ala Thr Asp Phe Val
50 55 60

Val Pro Gly Pro Gly Lys Val Glu Ile Thr Tyr Thr Pro Ser Asp Gly
65 70 75 80

Thr Gln Lys Val Thr Tyr Leu Val His Asn Phe Glu Glu Gly Gly Gly
85 90 95

Val Ala Met Gly Met
100

<210> 260
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 260
Arg Val Glu Glu Phe Lys Leu Lys Gln Met Trp Lys Ser Pro Asn Gly
1 5 10 15

```
Thr Ile Arg Asn Ile Leu Gly Gly Thr Val Phe Arg Glu Ala Ile Ile
            20                  25                  30

Cys Lys Asn Ile Pro Arg Leu Val Ser Gly Trp Val Lys Pro Ile Ile
        35                  40                  45

Ile Gly Cys His Ala Tyr Gly Asp Gln Tyr Arg Ala Thr Asp Phe Val
    50                  55                  60

Val Pro Gly Pro Gly Lys Val Glu Ile Thr Tyr Thr Pro Ser Asp Gly
65                  70                  75                  80

Thr Gln Lys Val Thr Tyr Leu Val His Asn Phe Glu Glu Gly Gly Gly
                85                  90                  95

Val Ala Met Gly Met
            100
```

<210> 261
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 261

```
Arg Val Glu Glu Phe Lys Leu Lys Gln Met Trp Lys Ser Pro Asn Gly
1               5                   10                  15

Thr Ile Arg Asn Ile Leu Gly Gly Thr Val Phe Arg Glu Ala Ile Ile
            20                  25                  30

Cys Lys Asn Ile Pro Arg Leu Val Ser Gly Trp Val Lys Pro Ile Ile
        35                  40                  45

Ile Gly Gly His Ala Tyr Gly Asp Gln Tyr Arg Ala Thr Asp Phe Val
    50                  55                  60

Val Pro Gly Pro Gly Lys Val Glu Ile Thr Tyr Thr Pro Ser Asp Gly
65                  70                  75                  80

Thr Gln Lys Val Thr Tyr Leu Val His Asn Phe Glu Glu Gly Gly Gly
                85                  90                  95
```

Val Ala Met Gly Met
100

<210> 262
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 262
Arg Val Glu Glu Phe Lys Leu Lys Gln Met Trp Lys Ser Pro Asn Gly
1 5 10 15

Thr Ile Arg Asn Ile Leu Gly Gly Thr Val Phe Arg Glu Ala Ile Ile
20 25 30

Cys Lys Asn Ile Pro Arg Leu Val Ser Gly Trp Val Lys Pro Ile Ile
35 40 45

Ile Gly Ser His Ala Tyr Gly Asp Gln Tyr Arg Ala Thr Asp Phe Val
50 55 60

Val Pro Gly Pro Gly Lys Val Glu Ile Thr Tyr Thr Pro Ser Asp Gly
65 70 75 80

Thr Gln Lys Val Thr Tyr Leu Val His Asn Phe Glu Glu Gly Gly Gly
85 90 95

Val Ala Met Gly Met
100

<210> 263
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 263
Val Ala Val Lys Met Leu Lys Pro Ser Ala His Leu Thr Glu Arg Glu
1 5 10 15

Ala Leu Met Ser Glu Leu Lys Val Leu Ser Tyr Leu Gly Asn His Met
20 25 30

Asn Ile Val Asn Leu Leu Gly Ala Cys Thr Ile Gly Gly Pro Thr Leu
35 40 45

Val Ile Ile Glu Tyr Cys Cys Tyr Gly Asp Leu Leu Asn Phe Leu Arg
50 55 60

Arg Lys Arg Asp Ser Phe Ile Cys Ser Lys Gln Glu Asp His Ala Glu
65 70 75 80

Ala Ala Leu Tyr Lys Asn Leu Leu His Ser Lys Glu Ser Ser Cys Ser
85 90 95

Asp Ser Thr Asn Glu
100

<210> 264
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 264
Val Glu Ala Thr Ala Tyr Gly Leu Ile Lys Ser Asp Ala Ala Met Thr
1 5 10 15

Val Ala Val Lys Met Leu Lys Pro Ser Ala His Leu Thr Glu Arg Glu
20 25 30

Ala Leu Met Ser Glu Leu Lys Val Leu Ser Tyr Leu Gly Asn His Met
35 40 45

Asn Ile Ala Asn Leu Leu Gly Ala Cys Thr Ile Gly Gly Pro Thr Leu
50 55 60

Val Ile Thr Glu Tyr Cys Cys Tyr Gly Asp Leu Leu Asn Phe Leu Arg
65 70 75 80

Arg Lys Arg Asp Ser Phe Ile Cys Ser Lys Gln Glu Asp His Ala Glu
85 90 95

Ala Ala Leu Tyr Lys
100

<210> 265
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 265
Ile Ser Glu Leu Gly Ala Gly Asn Gly Gly Val Val Phe Lys Val Ser
1 5 10 15

His Lys Pro Ser Gly Leu Val Met Ala Arg Lys Leu Ile His Leu Glu
20 25 30

Ile Lys Pro Ala Ile Arg Asn Gln Ile Ile Arg Glu Leu Gln Val Leu
35 40 45

His Glu Ser Asn Ser Pro Tyr Ile Val Gly Phe Tyr Gly Ala Phe Tyr
50 55 60

Ser Asp Gly Glu Ile Ser Ile Cys Met Glu His Met Asp Gly Gly Ser
65 70 75 80

Leu Asp Gln Val Leu Lys Lys Ala Gly Arg Ile Pro Glu Gln Ile Leu
85 90 95

Gly Lys Val Ser Ile
100

<210> 266
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 266
Leu Gly Ala Gly Asn Gly Gly Val Val Phe Lys Val Ser His Lys Pro
1 5 10 15

Ser Gly Leu Val Met Ala Arg Lys Leu Ile His Leu Glu Ile Lys Pro
20 25 30

```
Ala Ile Arg Asn Gln Ile Ile Arg Glu Leu Gln Val Leu His Glu Cys
        35                  40                  45

Asn Ser Leu Tyr Ile Val Gly Phe Tyr Gly Ala Phe Tyr Ser Asp Gly
    50                  55                  60

Glu Ile Ser Ile Cys Met Glu His Met Asp Gly Gly Ser Leu Asp Gln
65                  70                  75                  80

Val Leu Lys Lys Ala Gly Arg Ile Pro Glu Gln Ile Leu Gly Lys Val
                85                  90                  95

Ser Ile Ala Val Ile
            100
```

<210> 267
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 267

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Met Pro Leu Asn Val Ser Phe Thr Asn Arg Asn Tyr Asp Leu Asp Tyr
1               5                   10                  15

Asp Ser Val Gln Pro Tyr Phe Tyr Cys Asp Glu Glu Glu Asn Phe Tyr
            20                  25                  30

Gln Gln Gln Gln Gln Ser Asp Leu Gln Pro Pro Ala Pro Ser Glu Asp
        35                  40                  45

Ile Trp Lys Lys Phe Glu Leu Leu Pro Thr Pro Pro Leu Ser Pro Ser
    50                  55                  60

Arg Arg Ser Gly Leu Cys Ser Pro Ser Tyr Val Ala Val Thr Pro Phe
65                  70                  75                  80

Ser Leu Arg Gly Asp Asn Asp Gly Gly
                85
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<210> 268
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 268
Phe Thr Asn Arg Asn Tyr Asp Leu Asp Tyr Asp Ser Val Gln Pro Tyr
1 5 10 15

Phe Tyr Cys Asp Glu Glu Glu Asn Phe Tyr Gln Gln Gln Gln Gln Ser
20 25 30

Glu Leu Gln Pro Pro Ala Pro Ser Glu Asp Ile Trp Lys Lys Phe Glu
35 40 45

Leu Leu Ser Thr Pro Pro Leu Ser Pro Ser Arg Arg Ser Gly Leu Cys
50 55 60

Ser Pro Ser Tyr Val Ala Val Thr Pro Phe Ser Leu Arg Gly Asp Asn
65 70 75 80

Asp Gly Gly Gly Gly Ser Phe Ser Thr Ala Asp Gln Leu Glu Met Val
85 90 95

Thr Glu Leu Leu Gly
100

<210> 269
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 269
Thr Asn Arg Asn Tyr Asp Leu Asp Tyr Asp Ser Val Gln Pro Tyr Phe
1 5 10 15

Tyr Cys Asp Glu Glu Glu Asn Phe Tyr Gln Gln Gln Gln Gln Ser Glu
20 25 30

Leu Gln Pro Pro Ala Pro Ser Glu Asp Ile Trp Lys Lys Phe Glu Leu
35 40 45

Leu Pro Ile Pro Pro Leu Ser Pro Ser Arg Arg Ser Gly Leu Cys Ser
50 55 60

Pro Ser Tyr Val Ala Val Thr Pro Phe Ser Leu Arg Gly Asp Asn Asp
65 70 75 80

Gly Gly Gly Gly Ser Phe Ser Thr Ala Asp Gln Leu Glu Met Val Thr
85 90 95

Glu Leu Leu Gly Gly
100

<210> 270
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 270
Val Ala Val Lys Met Leu Lys Pro Thr Ala Arg Ser Ser Glu Lys Gln
1 5 10 15

Ala Leu Met Ser Glu Leu Lys Ile Met Thr His Leu Gly Pro His Leu
20 25 30

Asn Ile Val Asn Leu Leu Gly Ala Cys Thr Lys Ser Gly Pro Ile Tyr
35 40 45

Ile Ile Ile Glu Tyr Cys Phe Tyr Gly Asp Leu Val Asn Tyr Leu His
50 55 60

Lys Asn Arg Asp Ser Phe Leu Ser His His Pro Glu Lys Pro Lys Lys
65 70 75 80

Glu Leu Asp Ile Phe Gly Leu Asn Pro Ala Asp Glu Ser Thr Arg Ser
85 90 95

Tyr Val Ile Leu Ser
100

<210> 271
<211> 101
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 271
Ile Glu Glu His Ala Asn Trp Ser Val Ser Arg Glu Ala Gly Phe Ser
1 5 10 15

Tyr Ser His Ala Gly Leu Ser Asn Arg Leu Ala Arg Asp Asn Glu Leu
20 25 30

Arg Glu Asn Asp Lys Glu Gln Leu Lys Ala Ile Ser Thr Arg Asp Pro
35 40 45

Leu Ser Lys Ile Thr Glu Gln Glu Lys Asp Phe Leu Trp Ser His Arg
50 55 60

His Tyr Cys Val Thr Ile Pro Glu Ile Leu Pro Lys Leu Leu Leu Ser
65 70 75 80

Val Lys Trp Asn Ser Arg Asp Glu Val Ala Gln Met Tyr Cys Leu Val
85 90 95

Lys Asp Trp Pro Pro
100

<210> 272
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 272
His Ala Asn Trp Ser Val Ser Arg Glu Ala Gly Phe Ser Tyr Ser His
1 5 10 15

Ala Gly Leu Ser Asn Arg Leu Ala Arg Asp Asn Glu Leu Arg Glu Asn
20 25 30

Asp Lys Glu Gln Leu Lys Ala Ile Ser Thr Arg Asp Pro Leu Ser Glu
35 40 45

Ile Thr Lys Gln Glu Lys Asp Phe Leu Trp Ser His Arg His Tyr Cys
50 55 60

Val Thr Ile Pro Glu Ile Leu Pro Lys Leu Leu Leu Ser Val Lys Trp
65 70 75 80

Asn Ser Arg Asp Glu Val Ala Gln Met Tyr Cys Leu Val Lys Asp Trp
85 90 95

Pro Pro Ile Lys Pro
100

<210> 273
<211> 72
<212> PRT
<213> Artificial Sequence

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

<400> 273
Leu Phe Ile Asn Leu Phe Ser Met Met Leu Gly Ser Gly Met Pro Glu
1 5 10 15

Leu Gln Ser Phe Asp Asp Ile Ala Tyr Ile Arg Lys Thr Leu Ala Leu
20 25 30

Asp Lys Thr Glu Gln Glu Ala Leu Glu Tyr Phe Met Lys Gln Met Asn
35 40 45

Asp Ala Arg His Gly Gly Trp Thr Thr Lys Met Asp Trp Ile Phe His
50 55 60

Thr Ile Lys Gln His Ala Leu Asn
65 70

<210> 274
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 274
Gln Arg Gly Gly Val Ile Thr Asp Glu Glu Glu Thr Ser Lys Lys Ile
1 5 10 15

Ala Asp Gln Leu Asp Asn Ile Val Asp Met Arg Glu Tyr Asp Val Pro
20 25 30

Tyr His Ile Arg Leu Ser Ile Asp Ile Glu Thr Thr Lys Leu Pro Leu
35 40 45

Lys Phe Arg Asp Ala Glu Thr Asp Gln Ile Met Met Ile Ser Tyr Met
50 55 60

Ile Asp Gly Gln Gly Tyr Leu Ile Thr Asn Arg Glu Ile Val Ser Glu
65 70 75 80

Asp Ile Glu Asp Phe Glu Phe Thr Pro Lys Pro Glu Tyr Glu Gly Pro
85 90 95

Phe Cys Val Phe Asn
100

<210> 275
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 275
Lys Phe Asn Cys Arg Val Ala Gln Tyr Pro Phe Glu Asp His Asn Pro
1 5 10 15

Pro Gln Leu Glu Leu Ile Lys Pro Phe Cys Glu Asp Leu Asp Gln Trp
20 25 30

Leu Ser Glu Asp Asp Asn His Val Ala Ala Ile His Cys Lys Ala Gly
35 40 45

Lys Gly Gln Thr Gly Val Met Ile Cys Ala Tyr Leu Leu His Arg Gly
50 55 60

Lys Phe Leu Lys Ala Gln Glu Ala Leu Asp Phe Tyr Gly Glu Val Arg
65 70 75 80

Thr Arg Asp Lys Lys Gly Val Thr Ile Pro Ser Gln Arg Arg Tyr Val
85 90 95

Tyr Tyr Tyr Ser Tyr
100

<210> 276
<211> 79
<212> PRT
<213> Artificial Sequence

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

<400> 276
Met Gln Ala Ile Lys Cys Val Val Val Gly Asp Gly Ala Val Gly Lys
1 5 10 15

Thr Cys Leu Leu Ile Ser Tyr Thr Thr Asn Ala Phe Ser Gly Glu Tyr
20 25 30

Ile Pro Thr Val Phe Asp Asn Tyr Ser Ala Asn Val Met Val Asp Gly
35 40 45

Lys Pro Val Asn Leu Gly Leu Trp Asp Thr Ala Gly Gln Glu Asp Tyr
50 55 60

Asp Arg Leu Arg Pro Leu Ser Tyr Pro Gln Thr Val Gly Glu Thr
65 70 75

<210> 277
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 277
Ile Arg Val Glu Gly Asn Leu Arg Val Glu Tyr Leu Asp Asp Arg Asn
1 5 10 15

Thr Phe Arg His Ser Val Val Val Pro Tyr Glu Pro Pro Glu Val Gly
20 25 30

Ser Asp Cys Thr Thr Ile His Tyr Asn Tyr Met Cys Asn Ser Ser Cys
35 40 45

Met Gly Ser Met Asn Arg Arg Pro Ile Leu Thr Ile Ile Thr Leu Glu
50 55 60

Asp Ser Ser Gly Asn Leu Leu Gly Arg Asn Ser Phe Glu Val Arg Val
65 70 75 80

Cys Ala Cys Pro Gly Arg Asp Arg Arg Thr Glu Glu Glu Asn Leu Arg
85 90 95

Lys Lys Gly Glu Pro
100

<210> 278
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 278
Thr Tyr Ser Pro Ala Leu Asn Lys Met Phe Cys Gln Leu Ala Lys Thr
1 5 10 15

Cys Pro Val Gln Leu Trp Val Asp Ser Thr Pro Pro Pro Gly Thr Arg
20 25 30

Val Arg Ala Met Ala Ile Tyr Lys Gln Ser Gln His Met Thr Glu Val
35 40 45

Val Arg His Cys Pro His His Glu Arg Cys Ser Asp Ser Asp Gly Leu
50 55 60

Ala Pro Pro Gln His Leu Ile Arg Val Glu Gly Asn Leu Arg Val Glu
65 70 75 80

Tyr Leu Asp Asp Arg Asn Thr Phe Arg His Ser Val Val Val Pro Tyr
85 90 95

Glu Pro Pro Glu Val
100

<210> 279
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 279
Glu Gly Asn Leu Arg Val Glu Tyr Leu Asp Asp Arg Asn Thr Phe Arg
1 5 10 15

His Ser Val Val Val Pro Tyr Glu Pro Pro Glu Val Gly Ser Asp Cys
20 25 30

Thr Thr Ile His Tyr Asn Tyr Met Cys Asn Ser Ser Cys Met Gly Gly
35 40 45

Met Asn Gln Arg Pro Ile Leu Thr Ile Ile Thr Leu Glu Asp Ser Ser
50 55 60

Gly Asn Leu Leu Gly Arg Asn Ser Phe Glu Val Arg Val Cys Ala Cys
65 70 75 80

Pro Gly Arg Asp Arg Arg Thr Glu Glu Glu Asn Leu Arg Lys Lys Gly
85 90 95

Glu Pro His His Glu
100

<210> 280
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 280
Glu Gly Asn Leu Arg Val Glu Tyr Leu Asp Asp Arg Asn Thr Phe Arg
1 5 10 15

His Ser Val Val Val Pro Tyr Glu Pro Pro Glu Val Gly Ser Asp Cys
20 25 30

Thr Thr Ile His Tyr Asn Tyr Met Cys Asn Ser Ser Cys Met Gly Gly
35 40 45

Met Asn Trp Arg Pro Ile Leu Thr Ile Ile Thr Leu Glu Asp Ser Ser
50 55 60

Gly Asn Leu Leu Gly Arg Asn Ser Phe Glu Val Arg Val Cys Ala Cys
65 70 75 80

Pro Gly Arg Asp Arg Arg Thr Glu Glu Glu Asn Leu Arg Lys Lys Gly
85 90 95

Glu Pro His His Glu
100

<210> 281
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 281
Pro Glu Val Gly Ser Asp Cys Thr Thr Ile His Tyr Asn Tyr Met Cys
1 5 10 15

Asn Ser Ser Cys Met Gly Gly Met Asn Arg Arg Pro Ile Leu Thr Ile
20 25 30

Ile Thr Leu Glu Asp Ser Ser Gly Asn Leu Leu Gly Arg Asn Ser Phe
35 40 45

Glu Val Cys Val Cys Ala Cys Pro Gly Arg Asp Arg Arg Thr Glu Glu
50 55 60

Glu Asn Leu Arg Lys Lys Gly Glu Pro His His Glu Leu Pro Pro Gly
65 70 75 80

Ser Thr Lys Arg Ala Leu Pro Asn Asn Thr Ser Ser Ser Pro Gln Pro
85 90 95

Lys Lys Lys Pro Leu
100

<210> 282
<211> 53
<212> PRT
<213> Artificial Sequence

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

<400> 282

Gly Val Glu Pro Cys Tyr Gly Asp Lys Asp Lys Arg Arg His Cys Phe
1 5 10 15

Ala Thr Trp Lys Asn Ile Ser Gly Ser Ile Glu Ile Val Lys Gln Gly
20 25 30

Cys Trp Leu Asp Asp Ile Asn Cys Tyr Asp Arg Thr Asp Cys Val Glu
35 40 45

Lys Lys Arg Gln Pro
50

<210> 283
<211> 103
<212> PRT
<213> Artificial Sequence

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

<400> 283
Gly Val Glu Pro Cys Tyr Gly Asp Lys Asp Lys Arg Arg His Cys Phe
1 5 10 15

Ala Thr Trp Lys Asn Ile Ser Gly Ser Ile Glu Ile Val Lys Gln Gly
20 25 30

Cys Trp Leu Asp Asp Ile Asn Cys Tyr Asp Arg Thr Asp Cys Val Glu
35 40 45

Lys Lys Thr Ala Leu Lys Tyr Ile Phe Val Ala Val Arg Ala Ile Cys
50 55 60

Val Met Lys Ser Phe Leu Ile Phe Arg Arg Trp Lys Ser His Ser Pro
65 70 75 80

Leu Gln Ile Gln Leu His Leu Ser His Pro Ile Thr Thr Ser Cys Ser
85 90 95

Ile Pro Trp Cys His Leu Cys
100

<210> 284
<211> 118
<212> PRT
<213> Artificial Sequence

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

<400> 284
Thr Ala Glu Ala Val Asn Val Ala Ile Ala Ala Pro Pro Ser Glu Gly
1 5 10 15

Glu Ala Asn Ala Glu Leu Cys Arg Tyr Leu Ser Lys Val Leu Glu Leu
20 25 30

Arg Lys Ser Asp Val Val Leu Asp Lys Val Gly Leu Ala Leu Phe Phe
35 40 45

Phe Phe Phe Glu Thr Lys Ser Cys Ser Val Ala Gln Ala Gly Val Gln
50 55 60

Trp Arg Ser Leu Gly Ser Leu Gln Pro Pro Pro Pro Gly Phe Lys Leu
65 70 75 80

Phe Ser Cys Leu Ser Phe Leu Ser Ser Trp Asp Tyr Arg Arg Met Pro
85 90 95

Pro Cys Leu Ala Asn Phe Cys Ile Phe Asn Arg Asp Gly Val Ser Pro
100 105 110

Cys Trp Ser Gly Trp Ser
115

<210> 285
<211> 71
<212> PRT
<213> Artificial Sequence

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

<400> 285
Leu Ser Val Ile Ile Phe Phe Phe Val Tyr Ile Trp His Trp Ala Leu
1 5 10 15

Pro Leu Ile Leu Asn Asn His His Ile Cys Leu Met Ser Ser Ile Ile
20 25 30

Leu Asp Cys Asn Ser Val Arg Gln Ser Ile Met Ser Val Cys Phe Phe
35 40 45

Phe Phe Ser Val Ile Phe Ser Thr Arg Cys Leu Thr Asp Ser Arg Tyr
50 55 60

Pro Asn Ile Cys Trp Phe Lys
65 70

<210> 286
<211> 60
<212> PRT
<213> Artificial Sequence

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

<400> 286
Leu Ser Val Ile Ile Phe Phe Phe Val Tyr Ile Trp His Trp Ala Leu
1 5 10 15

Pro Leu Ile Leu Asn Asn His His Ile Cys Leu Met Ser Ser Ile Ile
20 25 30

Leu Asp Cys Asn Ser Val Arg Gln Ser Ile Met Ser Val Cys Phe Phe
35 40 45

Phe Phe Cys Tyr Ile Leu Asn Thr Met Phe Asp Arg
50 55 60

<210> 287
<211> 106
<212> PRT
<213> Artificial Sequence

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

<400> 287
Val Leu Val Leu Ser Cys Asp Leu Ile Thr Asp Val Ala Leu His Glu
1 5 10 15

Val Val Asp Leu Phe Arg Ala Tyr Asp Ala Ser Leu Ala Met Leu Met
20 25 30

Arg Lys Gly Gln Asp Ser Ile Glu Pro Val Pro Gly Gln Lys Gly Lys
35 40 45

Lys Lys Gln Trp Ser Ser Val Thr Ser Leu Glu Trp Thr Ala Gln Glu
50 55 60

Arg Gly Cys Ser Ser Trp Leu Met Lys Gln Thr Trp Met Lys Ser Trp
65 70 75 80

Ser Leu Arg Asp Pro Ser Tyr Arg Ser Ile Leu Glu Tyr Val Ser Thr
85 90 95

Arg Val Leu Trp Met Pro Thr Ser Thr Val
100 105

<210> 288
<211> 112
<212> PRT
<213> Artificial Sequence

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

<400> 288
Ser Ile Gln Val Met Arg Ala Gln Met Asn Gln Ile Gln Ser Val Glu
1 5 10 15

Gly Gln Pro Leu Ala Arg Arg Pro Arg Ala Thr Gly Arg Thr Lys Arg
20 25 30

Cys Gln Pro Arg Asp Val Thr Lys Lys Thr Cys Asn Ser Asn Asp Gly
35 40 45

Lys Lys Arg Glu Trp Glu Lys Arg Lys Gln Ile Leu Gly Gly Gly Gly
50 55 60

Lys Tyr Lys Glu Tyr Phe Leu Lys Arg Ile Leu Ile Arg Lys Ala Met
65 70 75 80

Thr Val Leu Ala Gly Asp Lys Lys Gly Leu Gly Arg Phe Met Arg Cys
85 90 95

Val Gln Ser Glu Thr Lys Ala Val Ser Leu Gln Leu Pro Leu Gly Arg
100 105 110

<210> 289
<211> 57
<212> PRT
<213> Artificial Sequence

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

<400> 289
Leu Asp Phe Leu Gly Glu Phe Ala Thr Asp Ile Arg Thr His Gly Val
1 5 10 15

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

Gln Met Lys Ser Ala Asp Arg Ala Phe Met Ala Ala Gln Lys Cys His
35 40 45

Lys Lys Lys His Glu Gly Gln Ile Cys
50 55

<210> 290
<211> 51
<212> PRT
<213> Artificial Sequence

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

<400> 290
Leu Asp Phe Leu Gly Glu Phe Ala Thr Asp Ile Arg Thr His Gly Val
1 5 10 15

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

Gln Met Lys Ser Ala Asp Arg Ala Phe Met Ala Ala Gln Lys Cys His
35 40 45

Lys Lys Thr
50

<210> 291
<211> 75
<212> PRT
<213> Artificial Sequence

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

<400> 291

Gly Ala Leu Cys Lys Asp Gly Arg Phe Arg Ser Asp Ile Gly Glu Phe
1 5 10 15

Glu Trp Lys Leu Lys Glu Gly His Lys Lys Ile Tyr Gly Lys Gln Ser
20 25 30

Met Val Asp Glu Val Ser Gly Lys Val Leu Glu Met Asp Ile Ser Lys
35 40 45

Lys Lys His Tyr Asn Arg Lys Ile Ser Ile Lys Lys Leu Asn Arg Met
50 55 60

Lys Val Pro Leu Met Lys Leu Ile Thr Arg Val
65 70 75

<210> 292
<211> 58
<212> PRT
<213> Artificial Sequence

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

<400> 292
Arg Glu Arg Ala Gln Leu Leu Glu Glu Gln Glu Lys Thr Leu Thr Ser
1 5 10 15

Lys Leu Gln Glu Gln Ala Arg Val Leu Lys Glu Arg Cys Gln Gly Glu
20 25 30

Ser Thr Gln Leu Gln Asn Glu Ile Gln Lys Leu Gln Lys Thr Leu Lys
35 40 45

Lys Lys Pro Arg Asp Ile Cys Arg Ile Ser
50 55

<210> 293
<211> 53
<212> PRT
<213> Artificial Sequence

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

<400> 293
Val Asn Thr Leu Lys Glu Gly Lys Arg Leu Pro Cys Pro Pro Asn Cys
1 5 10 15

Pro Asp Glu Val Tyr Gln Leu Met Arg Lys Cys Trp Glu Phe Gln Pro
20 25 30

Ser Asn Arg Thr Ser Phe Gln Asn Leu Ile Glu Gly Phe Glu Ala Leu
35 40 45

Leu Lys Thr Ser Asn
50

<210> 294
<211> 65
<212> PRT
<213> Artificial Sequence

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

<400> 294
Cys Arg Pro Val Thr Pro Ser Cys Lys Glu Leu Ala Asp Leu Met Thr
1 5 10 15

Arg Cys Met Asn Tyr Asp Pro Asn Gln Arg Pro Phe Phe Arg Ala Ile
20 25 30

Met Arg Asp Ile Asn Lys Leu Glu Glu Gln Asn Pro Asp Ile Val Ser
35 40 45

Glu Lys Asn Gln Gln Leu Lys Trp Thr Pro His Ile Leu Lys Ser Ala
50 55 60

Ser
65

<210> 295
<211> 69
<212> PRT
<213> Artificial Sequence

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

<400> 295
Asp Asp His Asp Val Leu Ser Phe Leu Thr Phe Gln Leu Thr Glu Pro
1 5 10 15

Gly Lys Glu Pro Pro Thr Pro Asp Lys Glu Ile Ser Glu Lys Glu Lys
20 25 30

Glu Lys Tyr Gln Glu Glu Phe Glu His Phe Gln Gln Glu Leu Asp Lys
35 40 45

Lys Lys Arg Gly Ile Pro Glu Gly Pro Pro Arg Pro Pro Arg Ala Ala
50 55 60

Cys Gly Gly Asn Ile
65

<210> 296
<211> 71
<212> PRT
<213> Artificial Sequence

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

<400> 296
Asp Asp His Asp Val Leu Ser Phe Leu Thr Phe Gln Leu Thr Glu Pro
1 5 10 15

Gly Lys Glu Pro Pro Thr Pro Asp Lys Glu Ile Ser Glu Lys Glu Lys
20 25 30

Glu Lys Tyr Gln Glu Glu Phe Glu His Phe Gln Gln Glu Leu Asp Lys
35 40 45

Lys Lys Arg Asn Ser Arg Arg Ala Thr Pro Thr Ser Lys Gly Ser Leu
50 55 60

Arg Arg Lys Tyr Leu Arg Val
65 70

<210> 297
<211> 68
<212> PRT
<213> Artificial Sequence

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

<400> 297
Thr Lys Ser Thr Leu Ile Gly Glu Asp Val Asn Pro Leu Ile Lys Leu
1 5 10 15

Asp Asp Ala Val Asn Val Asp Glu Ile Met Thr Asp Thr Ser Thr Ser
            20   25   30

Tyr Leu Leu Cys Ile Ser Glu Asn Lys Glu Asn Val Arg Asp Lys Lys
        35   40   45

Lys Gly Gln His Phe Tyr Trp His Cys Gly Ser Ala Ala Cys His Arg
    50   55   60

Arg Gly Cys Val
65

<210> 298
<211> 81
<212> PRT
<213> Artificial Sequence

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

<400> 298
Leu Tyr Thr Lys Ser Thr Leu Ile Gly Glu Asp Val Asn Pro Leu Ile
1   5   10   15

Lys Leu Asp Asp Ala Val Asn Val Asp Glu Ile Met Thr Asp Thr Ser
            20   25   30

Thr Ser Tyr Leu Leu Cys Ile Ser Glu Asn Lys Glu Asn Val Arg Asp
        35   40   45

Lys Lys Arg Ala Thr Phe Leu Leu Ala Leu Trp Glu Cys Ser Leu Pro
    50   55   60

Gln Ala Arg Leu Cys Leu Ile Val Ser Arg Thr Leu Leu Leu Val Gln
65   70   75   80

Ser

<210> 299
<211> 58
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 299
Leu Pro Pro Pro Lys Leu Thr Asp Pro Arg Leu Leu Tyr Ile Gly Phe
1 5 10 15

Leu Gly Tyr Cys Ser Gly Leu Ile Asp Asn Leu Ile Arg Arg Arg Pro
20 25 30

Ile Ala Thr Ala Gly Leu His Arg Gln Leu Leu Tyr Ile Thr Ala Phe
35 40 45

Phe Phe Cys Trp Ile Leu Ser Cys Lys Thr
50 55

<210> 300
<211> 56
<212> PRT
<213> Artificial Sequence

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

<400> 300
Ser Leu Pro Pro Pro Lys Leu Thr Asp Pro Arg Leu Leu Tyr Ile Gly
1 5 10 15

Phe Leu Gly Tyr Cys Ser Gly Leu Ile Asp Asn Leu Ile Arg Arg Arg
20 25 30

Pro Ile Ala Thr Ala Gly Leu His Arg Gln Leu Leu Tyr Ile Thr Ala
35 40 45

Phe Phe Leu Leu Asp Ile Ile Leu
50 55

<210> 301
<211> 112
<212> PRT
<213> Artificial Sequence

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

<400> 301
Asn Gln Ser Gly Gly Ala Gly Glu Asp Cys Gln Ile Phe Ser Thr Pro
1 5 10 15

Gly His Pro Lys Met Ile Tyr Ser Ser Ser Asn Leu Lys Thr Pro Ser
20 25 30

Lys Leu Cys Ser Gly Ser Lys Ser His Asp Val Gln Glu Val Leu Lys
35 40 45

Lys Lys Thr Gly Ser Asn Glu Val Thr Thr Arg Tyr Glu Glu Lys Lys
50 55 60

Thr Gly Ser Val Arg Lys Ala Asn Arg Met Pro Lys Asp Val Asn Ile
65 70 75 80

Gln Val Arg Lys Lys Gln Lys His Glu Thr Arg Arg Lys Ser Lys Tyr
85 90 95

Asn Glu Asp Phe Glu Arg Ala Trp Arg Glu Asp Leu Thr Ile Lys Arg
100 105 110

<210> 302
<211> 23
<212> PRT
<213> Artificial Sequence

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

<400> 302
Met Ala Pro Val Lys Lys Leu Val Val Lys Gly Gly Lys Lys Lys Glu
1 5 10 15

Ala Ser Ser Glu Val His Ser
20

<210> 303
<211> 18
<212> PRT
<213> Artificial Sequence

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

<400> 303
Met Ala Pro Val Lys Lys Leu Val Val Lys Gly Gly Lys Lys Arg Ser
1 5 10 15

Lys Phe

<210> 304
<211> 51
<212> PRT
<213> Artificial Sequence

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

<400> 304
Met Pro Ser His Gln Gly Ala Glu Gln Gln Gln Gln Gln His His Val
1 5 10 15

Phe Ile Ser Gln Val Val Thr Glu Lys Glu Phe Leu Ser Arg Ser Asp
20 25 30

Gln Leu Gln Gln Ala Val Gln Ser Gln Gly Phe Ile Asn Tyr Cys Gln
35 40 45

Lys Lys Asn
50

<210> 305
<211> 65
<212> PRT
<213> Artificial Sequence

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

<400> 305
Met Pro Ser His Gln Gly Ala Glu Gln Gln Gln Gln Gln His His Val
1 5 10 15

Phe Ile Ser Gln Val Val Thr Glu Lys Glu Phe Leu Ser Arg Ser Asp
20 25 30

Gln Leu Gln Gln Ala Val Gln Ser Gln Gly Phe Ile Asn Tyr Cys Gln
35 40 45

Lys Lys Leu Met Leu Leu Arg Leu Asn Leu Arg Lys Met Cys Gly Pro
50 55 60

Phe
65

<210> 306
<211> 79
<212> PRT
<213> Artificial Sequence

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

<400> 306
Ala Glu Val Phe Glu Lys Glu Gln Ser Ile Cys Ala Ala Glu Glu Gln
1 5 10 15

Pro Ala Glu Asp Gly Gln Gly Glu Thr Asn Lys Asn Arg Thr Lys Gly
20 25 30

Gly Trp Gln Gln Lys Ser Lys Gly Pro Lys Lys Thr Ala Lys Ser Lys
35 40 45

Lys Lys Glu Thr Phe Lys Lys Lys Thr Tyr Thr Cys Ala Ile Thr Thr
50 55 60

Val Lys Ala Thr Glu Thr Lys Ala Gly Lys Trp Ser Arg Trp Glu
65 70 75

<210> 307
<211> 53
<212> PRT
<213> Artificial Sequence

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

<400> 307
Met Ala Glu Val Phe Glu Lys Glu Gln Ser Ile Cys Ala Ala Glu Glu
1 5 10 15

Gln Pro Ala Glu Asp Gly Gln Gly Glu Thr Asn Lys Asn Arg Thr Lys
20 25 30

Gly Gly Trp Gln Gln Lys Ser Lys Gly Pro Lys Lys Thr Ala Lys Ser
35 40 45

Lys Lys Arg Asn Leu
50

<210> 308
<211> 71
<212> PRT
<213> Artificial Sequence

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

<400> 308
Asn Ile Met Glu Ile Arg Gln Leu Pro Ser Ser His Ala Leu Glu Ala
1 5 10 15

Lys Leu Ser Arg Met Ser Tyr Pro Val Lys Glu Gln Glu Ser Ile Leu
20 25 30

Lys Thr Val Gly Lys Leu Thr Ala Thr Gln Val Ala Lys Ile Ser Phe
35 40 45

Phe Phe Ala Leu Cys Gly Phe Trp Gln Ile Cys His Ile Lys Lys His
50 55 60

Phe Gln Thr His Lys Leu Leu
65 70

<210> 309
<211> 68
<212> PRT
<213> Artificial Sequence

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

<400> 309
Tyr Glu Lys Lys Lys Tyr Tyr Asp Lys Asn Ala Ile Ala Ile Thr Asn
1 5 10 15

Ile Ser Ser Ser Asp Ala Pro Leu Gln Pro Leu Val Ser Ser Pro Ser
20 25 30

Leu Gln Ala Ala Val Asp Lys Asn Lys Leu Glu Lys Glu Lys Glu Lys
35 40 45

Lys Lys Gly Arg Glu Lys Glu Arg Lys Gly Ala Arg Lys Ala Gly Lys
50 55 60

Thr Thr Tyr Ser
65

<210> 310
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 310
Lys Tyr Glu Lys Lys Lys Tyr Tyr Asp Lys Asn Ala Ile Ala Ile Thr
1 5 10 15

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

Ser Leu Gln Ala Ala Val Asp Lys Asn Lys Leu Glu Lys Glu Lys Glu
35 40 45

Lys Lys Arg Lys Arg Lys Arg Glu Lys Arg Ser Gln Lys Ser Arg Gln
50 55 60

Asn His Leu Gln Leu Lys Ser Cys Arg Arg Lys Ile Ser Asn Trp Ser
65 70 75 80

Leu Lys Lys Val Pro Ala Leu Lys Lys Leu Arg Ser Pro Leu Trp Ile
85 90 95

Phe

<210> 311
<211> 65
<212> PRT
<213> Artificial Sequence

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

<400> 311
Ile Tyr Gln Asp Ala Tyr Arg Ala Glu Trp Gln Val Tyr Lys Glu Glu
1 5 10 15

Ile Ser Arg Phe Lys Glu Gln Leu Thr Pro Ser Gln Ile Met Ser Leu
20 25 30

Glu Lys Glu Ile Met Asp Lys His Leu Lys Arg Lys Ala Met Thr Lys
35 40 45

Lys Lys Arg Val Asn Thr Ala Trp Lys Thr Lys Lys Thr Ser Phe Ser
50 55 60

Leu
65

<210> 312
<211> 51
<212> PRT
<213> Artificial Sequence

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

<400> 312
Ile Tyr Gln Asp Ala Tyr Arg Ala Glu Trp Gln Val Tyr Lys Glu Glu
1 5 10 15

Ile Ser Arg Phe Lys Glu Gln Leu Thr Pro Ser Gln Ile Met Ser Leu
20 25 30

Glu Lys Glu Ile Met Asp Lys His Leu Lys Arg Lys Ala Met Thr Lys
35 40 45

Lys Lys Ser
50

<210> 313
<211> 52
<212> PRT
<213> Artificial Sequence

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

<400> 313
Lys Pro Gln Glu Val Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn
1 5 10 15

Ile Thr Leu Glu Thr Val Cys His Asp Pro Lys Leu Pro Tyr His Asp
20 25 30

Phe Ile Leu Glu Asp Ala Ala Ser Pro Lys Cys Ile Met Lys Glu Lys
35 40 45

Lys Lys Ala Trp
    50

<210> 314
<211> 84
<212> PRT
<213> Artificial Sequence

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

<400> 314
Glu Lys Pro Gln Glu Val Cys Val Ala Val Trp Arg Lys Asn Asp Glu
1   5   10   15

Asn Ile Thr Leu Glu Thr Val Cys His Asp Pro Lys Leu Pro Tyr His
            20   25   30

Asp Phe Ile Leu Glu Asp Ala Ala Ser Pro Lys Cys Ile Met Lys Glu
        35   40   45

Lys Lys Ser Leu Val Arg Leu Ser Ser Cys Val Pro Val Ala Leu Met
    50   55   60

Ser Ala Met Thr Thr Ser Ser Ser Gln Lys Asn Ile Thr Pro Ala Ile
65   70   75   80

Leu Thr Cys Cys

<210> 315
<211> 74
<212> PRT
<213> Artificial Sequence

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

<400> 315
Val Pro Ser Lys Tyr Gln Phe Leu Cys Ser Asp His Phe Thr Pro Asp
1   5   10   15

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

Pro Thr Ile Phe Ser Leu Pro Glu Asp Asn Gln Gly Lys Asp Pro Ser
35 40 45

Lys Lys Asn Pro Arg Arg Lys Thr Trp Lys Met Arg Lys Lys Tyr Ala
50 55 60

Gln Lys Pro Ser Gln Lys Asn His Leu Tyr
65 70

<210> 316
<211> 88
<212> PRT
<213> Artificial Sequence

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

<400> 316
Gly Thr Thr Glu Glu Met Lys Tyr Val Leu Gly Gln Leu Val Gly Leu
1 5 10 15

Asn Ser Pro Asn Ser Ile Leu Lys Ala Ala Lys Thr Leu Tyr Glu His
20 25 30

Tyr Ser Gly Gly Glu Ser His Asn Ser Ser Ser Ser Lys Thr Phe Glu
35 40 45

Lys Lys Gly Glu Lys Asn Asp Leu Gln Leu Phe Val Met Ser Asp Thr
50 55 60

Thr Tyr Lys Ile Tyr Trp Thr Val Ile Leu Leu Asn Pro Cys Gly Asn
65 70 75 80

Leu His Leu Lys Thr Thr Ser Leu
85

<210> 317
<211> 55
<212> PRT
<213> Artificial Sequence

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

<400> 317
Gln Gln Leu Ile Arg Glu Thr Leu Ile Ser Trp Leu Gln Ala Gln Met
1 5 10 15

Leu Asn Pro Gln Pro Glu Lys Thr Phe Ile Arg Asn Lys Ala Ala Gln
20 25 30

Val Phe Ala Leu Leu Phe Val Thr Glu Tyr Leu Thr Lys Trp Pro Lys
35 40 45

Phe Phe Leu Thr Phe Ser Gln
50 55

<210> 318
<211> 93
<212> PRT
<213> Artificial Sequence

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

<400> 318
Ala Lys Phe Gln Gln Cys His Ser Thr Leu Glu Pro Asn Pro Ala Asp
1 5 10 15

Cys Arg Val Leu Val Tyr Leu Gln Asn Gln Pro Gly Thr Lys Leu Leu
20 25 30

Asn Phe Leu Gln Glu Arg Asn Leu Pro Pro Lys Val Val Leu Arg His
35 40 45

Pro Lys Val His Leu Asn Thr Met Phe Arg Arg Pro His Ser Cys Leu
50 55 60

Ala Asp Val Leu Leu Ser Val His Leu Ile Val Leu Arg Val Val Arg
65 70 75 80

Leu Pro Ala Pro Phe Arg Val Asn His Ala Val Glu Trp
85 90

<210> 319
<211> 53
<212> PRT
<213> Artificial Sequence

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

<400> 319

Ala Pro Val Ile Phe Gln Ile Ala Leu Asp Lys Pro Cys His Gln Ala
1 5 10 15

Glu Val Lys His Leu His His Leu Leu Lys Gln Leu Lys Pro Ser Glu
20 25 30

Lys Tyr Leu Lys Ile Lys His Leu Leu Leu Lys Arg Glu Arg Val Asp
35 40 45

Leu Ser Lys Leu Gln
50

<210> 320
<211> 33
<212> PRT
<213> Artificial Sequence

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

<400> 320
Met Leu Gln Phe Arg Gly Ser Arg Phe Phe Gln Met Leu Ile Leu Tyr
1 5 10 15

Tyr Ile Leu Pro Arg Lys Val Leu Gln Met Asp Phe Leu Val His Pro
20 25 30

Ala

<210> 321
<211> 179
<212> PRT
<213> Artificial Sequence

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

<400> 321
Ala Leu Gly Pro His Ser Arg Ile Ser Cys Leu Pro Thr Gln Thr Arg
1 5 10 15

Gly Cys Ile Leu Leu Ala Ala Thr Pro Arg Ser Ser Ser Ser Ser Ser
20 25 30

Ser Asn Asp Met Ile Pro Met Ala Ile Ser Ser Pro Pro Lys Ala Pro
35 40 45

```
Leu Leu Ala Ala Pro Ser Pro Ala Ser Arg Leu Gln Cys Ile Asn Ser
    50                  55                  60

Asn Ser Arg Ile Thr Ser Gly Gln Trp Met Ala His Met Ala Leu Leu
65                  70                  75                  80

Pro Ser Gly Thr Lys Gly Arg Cys Thr Ala Cys His Thr Ala Leu Gly
                85                  90                  95

Arg Gly Ser Leu Ser Ser Ser Ser Cys Pro Gln Pro Ser Pro Ser Leu
            100                 105                 110

Pro Ala Ser Asn Lys Leu Pro Ser Leu Pro Leu Ser Lys Met Tyr Thr
        115                 120                 125

Thr Ser Met Ala Met Pro Ile Leu Pro Leu Pro Gln Leu Leu Leu Ser
    130                 135                 140

Ala Asp Gln Gln Ala Ala Pro Arg Thr Asn Phe His Ser Ser Leu Ala
145                 150                 155                 160

Glu Thr Val Ser Leu His Pro Leu Ala Pro Met Pro Ser Lys Thr Cys
                165                 170                 175

His His Lys
```

<210> 322
<211> 79
<212> PRT
<213> Artificial Sequence

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

<400> 322

```
Ala His Gln Gly Phe Pro Ala Ala Lys Glu Ser Arg Val Ile Gln Leu
1               5                   10                  15

Ser Leu Leu Ser Leu Leu Ile Pro Pro Leu Thr Cys Leu Ala Ser Glu
            20                  25                  30

Ala Leu Pro Arg Pro Leu Leu Ala Leu Pro Pro Val Leu Leu Ser Leu
        35                  40                  45
```

Ala Gln Asp His Ser Arg Leu Leu Gln Cys Gln Ala Thr Arg Cys His
50 55 60

Leu Gly His Pro Val Ala Ser Arg Thr Ala Ser Cys Ile Leu Pro
65 70 75

<210> 323
<211> 222
<212> PRT
<213> Artificial Sequence

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

<400> 323
Pro Ile Leu Ala Ala Thr Gly Thr Ser Val Arg Thr Ala Ala Arg Thr
1 5 10 15

Trp Val Pro Arg Ala Ala Ile Arg Val Pro Asp Pro Ala Ala Val Pro
20 25 30

Asp Asp His Ala Gly Pro Gly Ala Glu Cys His Gly Arg Pro Leu Leu
35 40 45

Tyr Thr Ala Asp Ser Ser Leu Trp Thr Thr Arg Pro Gln Arg Val Trp
50 55 60

Ser Thr Gly Pro Asp Ser Ile Leu Gln Pro Ala Lys Ser Ser Pro Ser
65 70 75 80

Ala Ala Ala Ala Thr Leu Leu Pro Ala Thr Thr Val Pro Asp Pro Ser
85 90 95

Cys Pro Thr Phe Val Ser Ala Ala Ala Thr Val Ser Thr Thr Thr Ala
100 105 110

Pro Val Leu Ser Ala Ser Ile Leu Pro Ala Ala Ile Pro Ala Ser Thr
115 120 125

Ser Ala Val Pro Gly Ser Ile Pro Leu Pro Ala Val Asp Asp Thr Ala
130 135 140

Ala Pro Pro Glu Pro Ala Pro Leu Leu Thr Ala Thr Gly Ser Val Ser
145 150 155 160

Leu Pro Ala Ala Ala Thr Ser Ala Ala Ser Thr Leu Asp Ala Leu Pro
165 170 175

Ala Gly Cys Val Ser Ser Ala Pro Val Ser Ala Val Pro Ala Asn Cys
180 185 190

Leu Phe Pro Ala Ala Leu Pro Ser Thr Ala Gly Ala Ile Ser Arg Phe
195 200 205

Ile Trp Val Ser Gly Ile Leu Ser Pro Leu Asn Asp Leu Gln
210 215 220

<210> 324
<211> 185
<212> PRT
<213> Artificial Sequence

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

<400> 324
Pro Cys Arg Ala Gly Arg Arg Val Pro Trp Ala Ala Ser Leu Ile His
1 5 10 15

Ser Arg Phe Leu Leu Met Asp Asn Lys Ala Pro Ala Gly Met Val Asn
20 25 30

Arg Ala Arg Leu His Ile Thr Thr Ser Lys Val Leu Thr Leu Ser Ser
35 40 45

Ser Ser His Pro Thr Pro Ser Asn His Arg Pro Arg Pro Leu Met Pro
50 55 60

Asn Leu Arg Ile Ser Ser Ser His Ser Leu Asn His His Ser Ser Ser
65 70 75 80

Pro Leu Ser Leu His Thr Pro Ser Ser His Pro Ser Leu His Ile Ser
85 90 95

Ser Pro Arg Leu His Thr Pro Pro Ser Ser Arg Arg His Ser Ser Thr
100 105 110

Pro Arg Ala Ser Pro Pro Thr His Ser His Arg Leu Ser Leu Leu Thr
115 120 125

Ser Ser Ser Asn Leu Ser Ser Gln His Pro Arg Arg Ser Pro Ser Arg
130 135 140

Leu Arg Ile Leu Ser Pro Ser Leu Ser Ser Pro Ser Lys Leu Pro Ile
145 150 155 160

Pro Ser Ser Ala Ser Leu His Arg Arg Ser Tyr Leu Lys Ile His Leu
165 170 175

Gly Leu Arg His Pro Gln Pro Pro Gln
180 185

<210> 325
<211> 58
<212> PRT
<213> Artificial Sequence

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

<400> 325
Arg Thr Asn Pro Thr Val Arg Met Arg Pro His Cys Val Pro Phe Trp
1 5 10 15

Thr Gly Arg Ile Leu Leu Pro Ser Ala Ala Ser Val Cys Pro Ile Pro
20 25 30

Phe Glu Ala Cys His Leu Cys Gln Ala Met Thr Leu Arg Cys Pro Asn
35 40 45

Thr Gln Gly Cys Cys Ser Ser Trp Ala Ser
50 55

<210> 326
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 326
Thr Asn Gln Ala Leu Pro Lys Ile Glu Val Ile Cys Arg Gly Thr Pro
1 5 10 15

```
Arg Cys Pro Ser Thr Val Pro Pro Ser Pro Ala Gln Pro Tyr Leu Arg
            20                  25                  30

Val Ser Leu Pro Glu Asp Arg Tyr Thr Gln Ala Trp Ala Pro Thr Ser
        35                  40                  45

Arg Thr Pro Trp Gly Ala Met Val Pro Arg Gly Val Ser Met Ala His
    50                  55                  60

Lys Val Ala Thr Pro Gly Ser Gln Thr Ile Met Pro Cys Pro Met Pro
65                  70                  75                  80

Thr Thr Pro Val Gln Ala Trp Leu Glu Ala
                85                  90
```

<210> 327
<211> 41
<212> PRT
<213> Artificial Sequence

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

<400> 327
```
Arg Met Glu Arg Glu Leu Lys Lys Trp Ser Ile Gln Thr Cys Leu Ser
1               5                   10                  15

Ala Arg Thr Gly Leu Ser Ile Ser Cys Thr Thr Leu Asn Ser Pro Pro
            20                  25                  30

Leu Lys Lys Met Ser Met Pro Ala Val
        35                  40
```

<210> 328
<211> 35
<212> PRT
<213> Artificial Sequence

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

<400> 328
```
Leu Cys Ser Arg Tyr Ser Leu Phe Leu Ala Trp Arg Leu Ser Ser Val
1               5                   10                  15

Leu Gln Arg Phe Arg Phe Thr His Val Ile Gln Gln Arg Met Glu Ser
            20                  25                  30
```

Gln Ile Ser
        35

<210> 329
<211> 39
<212> PRT
<213> Artificial Sequence

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

<400> 329
Arg Ser Ala Cys Val Thr Val Lys Gly Pro Leu Ala Ser Val Gly Arg
1   5   10   15

His Ser Leu Ser Lys Gln Asp Cys Lys Phe Leu Pro Phe Trp Gly Phe
            20   25   30

Leu Glu Glu Phe Leu Leu Cys
        35

<210> 330
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 330
Ile Gln Trp Gly Thr Thr Thr Ala Pro Arg Pro Ile Arg Pro Pro Phe
1   5   10   15

Leu Glu Ser Lys Gln Asn Cys Ser His Phe Pro Thr Pro Leu Leu Ala
            20   25   30

Ser Glu Asp Arg Arg Glu Thr Gly Leu Phe Leu Pro Ser Ala Ala Gln
        35   40   45

Lys Met Lys Lys Ala His Phe Leu Lys Thr Trp Phe Arg Ser Asn Pro
    50   55   60

Thr Lys Thr Lys Lys Ala Arg Phe Ser Thr Ala Ser Leu Ala Lys Glu
65   70   75   80

Leu Thr His Pro Leu Leu Val Ser Leu Leu Leu Lys Glu Lys Gln Asp
85 90 95

Gly

<210> 331
<211> 73
<212> PRT
<213> Artificial Sequence

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

<400> 331
Pro Thr Asp Pro Phe Leu Gly Leu Arg Leu Gly Leu His Leu Gln Lys
1 5 10 15

Val Phe His Gln Ser His Ala Glu Tyr Ser Gly Ala Pro Pro Pro Pro
20 25 30

Pro Ala Pro Ser Gly Leu Arg Phe Trp Asn Pro Ser Arg Ile Ala His
35 40 45

Ile Ser Gln Leu Leu Ser Trp Pro Gln Lys Thr Glu Glu Arg Leu Gly
50 55 60

Tyr Ser Ser His Gln Leu Pro Arg Lys
65 70

<210> 332
<211> 45
<212> PRT
<213> Artificial Sequence

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

<400> 332
Phe Cys Cys Ser Cys Cys Phe Phe Gly Gly Glu Arg Trp Ser Lys Ser
1 5 10 15

Pro Tyr Cys Pro Gln Arg Met Thr Pro Gly Thr Thr Phe Ile Thr Met
20 25 30

Met Lys Lys Glu Ala Glu Lys Arg Thr Arg Thr Leu Thr
35 40 45

<210> 333
<211> 95
<212> PRT
<213> Artificial Sequence

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

<400> 333
Trp Arg Arg Asn Cys Lys Ala Pro Val Ser Leu Arg Lys Ser Val Gln
1 5 10 15

Thr Pro Ala Arg Ser Ser Pro Ala Arg Pro Asp Arg Thr Arg Arg Leu
20 25 30

Pro Ser Leu Gly Val Pro Gly Gln Pro Trp Ala Leu Gly Ala Ala Ala
35 40 45

Ser Arg Arg Cys Cys Cys Cys Cys Arg Ser Pro Leu Gly Ser Ala Arg
50 55 60

Ser Arg Ser Pro Ala Thr Leu Ala Leu Thr Pro Arg Ala Thr Arg Ser
65 70 75 80

Arg Cys Pro Gly Ala Thr Trp Arg Glu Ala Ala Ser Trp Ala Glu
85 90 95

<210> 334
<211> 113
<212> PRT
<213> Artificial Sequence

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

<400> 334
Pro Gly Arg Pro Leu Gln Thr His Val Leu Pro Glu Pro His Leu Ala
1 5 10 15

Leu Gln Pro Leu Gln Pro His Ala Asp His Ala His Ala Asp Ala Pro
20 25 30

Ala Ile Gln Pro Val Leu Trp Thr Thr Pro Pro Leu Gln His Gly His
35 40 45

Arg His Gly Leu Glu Pro Cys Ser Met Leu Thr Gly Pro Pro Ala Arg
50 55 60

Val Pro Ala Val Pro Phe Asp Leu His Phe Cys Arg Ser Ser Ile Met
65 70 75 80

Lys Pro Lys Arg Asp Gly Tyr Met Phe Leu Lys Ala Glu Ser Lys Ile
85 90 95

Met Phe Ala Thr Leu Gln Arg Ser Ser Leu Trp Cys Leu Cys Ser Asn
100 105 110

His

<210> 335
<211> 57
<212> PRT
<213> Artificial Sequence

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

<400> 335
Pro Arg Pro Arg Arg Cys Thr Arg His Pro Ala Cys Pro Leu Asp His
1 5 10 15

Thr Thr Pro Pro Ala Trp Ser Pro Pro Trp Val Arg Ala Leu Leu Asp
20 25 30

Ala His Arg Ala Pro Ser Glu Ser Pro Cys Ser Pro Phe Arg Leu Ala
35 40 45

Phe Leu Gln Glu Gln Tyr His Glu Ala
50 55

<210> 336
<211> 494
<212> PRT
<213> Artificial Sequence

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

<400> 336
Thr Arg Arg Cys His Cys Cys Pro His Leu Arg Ser His Pro Cys Pro
1 5 10 15

```
His His Leu Arg Asn His Pro Arg Pro His His Leu Arg His His Ala
            20                  25                  30

Cys His His His Leu Arg Asn Cys Pro His Pro His Phe Leu Arg His
        35                  40                  45

Cys Thr Cys Pro Gly Arg Trp Arg Asn Arg Pro Ser Leu Arg Arg Leu
    50                  55                  60

Arg Ser Leu Leu Cys Leu Pro His Leu Asn His His Leu Phe Leu His
65                  70                  75                  80

Trp Arg Ser Arg Pro Cys Leu His Arg Lys Ser His Pro His Leu Leu
                85                  90                  95

His Leu Arg Arg Leu Tyr Pro His His Leu Lys His Arg Pro Cys Pro
            100                 105                 110

His His Leu Lys Asn Leu Leu Cys Pro Arg His Leu Arg Asn Cys Pro
        115                 120                 125

Leu Pro Arg His Leu Lys His Leu Ala Cys Leu His His Leu Arg Ser
    130                 135                 140

His Pro Cys Pro Leu His Leu Lys Ser His Pro Cys Leu His His Arg
145                 150                 155                 160

Arg His Leu Val Cys Ser His His Leu Lys Ser Leu Leu Cys Pro Leu
                165                 170                 175

His Leu Arg Ser Leu Pro Phe Pro His His Leu Arg His His Ala Cys
            180                 185                 190

Pro His His Leu Arg Thr Arg Leu Cys Pro His His Leu Lys Asn His
        195                 200                 205

Leu Cys Pro Pro His Leu Arg Tyr Arg Ala Tyr Pro Pro Cys Leu Trp
    210                 215                 220

Cys His Ala Cys Leu His Arg Leu Arg Asn Leu Pro Cys Pro His Arg
225                 230                 235                 240
```

```
Leu Arg Ser Leu Pro Arg Pro Leu His Leu Arg Leu His Ala Ser Pro
                245                 250                 255

His His Leu Arg Thr Pro Pro His Pro His His Leu Arg Thr His Leu
            260                 265                 270

Leu Pro His His Arg Arg Thr Arg Ser Cys Pro Cys Arg Trp Arg Ser
        275                 280                 285

His Pro Cys Cys His Tyr Leu Arg Ser Arg Asn Ser Ala Pro Gly Pro
    290                 295                 300

Arg Gly Arg Thr Cys His Pro Gly Leu Arg Ser Arg Thr Cys Pro Pro
305                 310                 315                 320

Gly Leu Arg Ser His Thr Tyr Leu Arg Arg Leu Arg Ser His Thr Cys
                325                 330                 335

Pro Pro Ser Leu Arg Ser His Ala Tyr Ala Leu Cys Leu Arg Ser His
            340                 345                 350

Thr Cys Pro Pro Arg Leu Arg Asp His Ile Cys Pro Leu Ser Leu Arg
        355                 360                 365

Asn Cys Thr Cys Pro Pro Arg Leu Arg Ser Arg Thr Cys Leu Leu Cys
    370                 375                 380

Leu Arg Ser His Ala Cys Pro Pro Asn Leu Arg Asn His Thr Cys Pro
385                 390                 395                 400

Pro Ser Leu Arg Ser His Ala Cys Pro Pro Gly Leu Arg Asn Arg Ile
                405                 410                 415

Cys Pro Leu Ser Leu Arg Ser His Pro Cys Pro Leu Gly Leu Lys Ser
            420                 425                 430

Pro Leu Arg Ser Gln Ala Asn Ala Leu His Leu Arg Ser Cys Pro Cys
        435                 440                 445

Ser Leu Pro Leu Gly Asn His Pro Tyr Leu Pro Cys Leu Glu Ser Gln
    450                 455                 460

Pro Cys Leu Ser Leu Gly Asn His Leu Cys Pro Leu Cys Pro Arg Ser
465                 470                 475                 480
```

Cys Arg Cys Pro His Leu Gly Ser His Pro Cys Arg Leu Ser
485 490

<210> 337
<211> 53
<212> PRT
<213> Artificial Sequence

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

<400> 337
Ser Trp Lys Gly Thr Asn Trp Cys Asn Asp Met Cys Ile Phe Ile Thr
1 5 10 15

Ser Gly Gln Ile Phe Lys Gly Thr Arg Gly Pro Arg Phe Leu Trp Gly
20 25 30

Ser Lys Asp Gln Arg Gln Lys Gly Ser Asn Tyr Ser Gln Ser Glu Ala
35 40 45

Leu Cys Val Leu Leu
50

<210> 338
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 338
Lys Arg Thr Lys Cys Phe Thr Phe Gly
1 5

<210> 339
<211> 27
<212> PRT
<213> Artificial Sequence

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

<400> 339
Pro Ile Phe Ile Gln Thr Leu Leu Leu Trp Asp Phe Leu Gln Lys Asp
1 5 10 15

Leu Lys Ala Tyr Thr Gly Thr Ile Leu Met Met
20 25

<210> 340
<211> 22
<212> PRT
<213> Artificial Sequence

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

<400> 340
Gln Lys Met Ile Leu Thr Lys Gln Ile Lys Thr Lys Pro Thr Asp Thr
1 5 10 15

Phe Leu Gln Ile Leu Arg
20

<210> 341
<211> 43
<212> PRT
<213> Artificial Sequence

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

<400> 341
Gly Phe Trp Ile Gln Ser Ile Lys Thr Ile Thr Arg Tyr Thr Ile Phe
1 5 10 15

Val Leu Lys Asp Ile Met Thr Pro Pro Asn Leu Ile Ala Glu Leu His
20 25 30

Asn Ile Leu Leu Lys Thr Ile Thr His His Ser
35 40

<210> 342
<211> 40
<212> PRT
<213> Artificial Sequence

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

<400> 342
Asn Tyr Ser Asn Val Gln Trp Arg Asn Leu Gln Ser Ser Val Cys Gly
1 5 10 15

Leu Pro Ala Lys Gly Glu Asp Ile Phe Leu Gln Phe Arg Thr His Thr
20 25 30

Thr Gly Arg Gln Val His Val Leu
35 40

<210> 343
<211> 44
<212> PRT
<213> Artificial Sequence

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

<400> 343
Tyr Gln Ser Arg Val Leu Pro Gln Thr Glu Gln Asp Ala Lys Lys Gly
1 5 10 15

Gln Asn Val Ser Leu Leu Gly Lys Tyr Ile Leu His Thr Arg Thr Arg
20 25 30

Gly Asn Leu Arg Lys Ser Arg Lys Trp Lys Ser Met
35 40

<210> 344
<211> 85
<212> PRT
<213> Artificial Sequence

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

<400> 344
Ser Ser Gln Asn Ala Arg Gly Cys Ser Pro Arg Gly Pro Cys Thr Ser
1 5 10 15

Ser Ser Tyr Thr Gly Gly Pro Cys Thr Ser Pro Leu Leu Ala Pro Val
20 25 30

Ile Phe Cys Pro Phe Pro Glu Asn Leu Pro Gly Gln Leu Arg Phe Pro
35 40 45

Ser Gly Leu Leu Ala Phe Trp Asp Ser Gln Val Cys Asp Leu His Val
50 55 60

Leu Pro Cys Pro Gln Gln Asp Val Leu Pro Thr Gly Gln Asp Leu Pro
65 70 75 80

Cys Ala Ala Val Gly
85

<210> 345
<211> 72
<212> PRT
<213> Artificial Sequence

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

<400> 345
Gly Ala Ala Pro Thr Met Ser Ala Ala Gln Ile Ala Met Val Trp Pro
1 5 10 15

Leu Leu Ser Ile Leu Ser Glu Trp Lys Glu Ile Cys Val Trp Ser Ile
20 25 30

Trp Met Thr Glu Thr Leu Phe Asp Ile Val Trp Trp Cys Pro Met Ser
35 40 45

Arg Leu Arg Leu Ala Leu Thr Val Pro Pro Ser Thr Thr Thr Thr Cys
50 55 60

Val Thr Val Pro Ala Trp Ala Ala
65 70

<210> 346
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 346
Thr Gly Gly Pro Ser Ser Pro Ser Ser His Trp Lys Thr Pro Val Val
1 5 10 15

Ile Tyr Trp Asp Gly Thr Ala Leu Arg Cys Val Phe Val Pro Val Leu
20 25 30

Gly Glu Thr Gly Ala Gln Arg Lys Arg Ile Ser Ala Arg Lys Gly Ser
35 40 45

Leu Thr Thr Ser Cys Pro Gln Gly Ala Leu Ser Glu His Cys Pro Thr
50 55 60

Thr Pro Ala Pro Leu Pro Ser Gln Arg Arg Asn His Trp Met Glu Asn
65 70 75 80

Ile Ser Pro Phe Arg Ser Val Gly Val Ser Ala Ser Arg Cys Ser Glu
85 90 95

Ser

<210> 347
<211> 31
<212> PRT
<213> Artificial Sequence

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

<400> 347
Phe His Thr Pro Ala Arg His Pro Arg Pro Arg His Gly His Leu Gln
1 5 10 15

Ala Val Thr Ala His Asp Gly Gly Cys Glu Ala Leu Pro Pro Pro
20 25 30

<210> 348
<211> 78
<212> PRT
<213> Artificial Sequence

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

<400> 348
Cys Cys Pro Arg Thr Ile Leu Asn Asn Gly Ser Leu Lys Thr Gln Val
1 5 10 15

Gln Met Lys Leu Pro Glu Cys Gln Arg Leu Leu Pro Pro Trp Pro Leu
20 25 30

His Gln Gln Leu Leu His Arg Arg Pro Leu His Gln Pro Pro Pro Gly
35 40 45

Pro Cys His Leu Leu Ser Leu Pro Arg Lys Pro Thr Arg Ala Ala Thr
50 55 60

Val Ser Val Trp Ala Ser Cys Ile Leu Gly Gln Pro Ser Leu
65 70 75

<210> 349
<211> 28
<212> PRT
<213> Artificial Sequence

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

<400> 349
Val Arg Lys His Phe Gln Thr Tyr Gly Asn Tyr Phe Leu Lys Thr Thr
1 5 10 15

Phe Cys Pro Pro Cys Arg Pro Lys Gln Trp Met Ile
20 25

<210> 350
<211> 46
<212> PRT
<213> Artificial Sequence

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

<400> 350
Leu Ala Arg Thr Pro Leu Pro Ser Thr Arg Cys Phe Ala Asn Trp Pro
1 5 10 15

Arg Pro Ala Leu Cys Ser Cys Gly Leu Ile Pro His Pro Arg Pro Ala
20 25 30

Pro Ala Ser Ala Pro Trp Pro Ser Thr Ser Ser His Ser Thr
35 40 45

<210> 351
<211> 81
<212> PRT
<213> Artificial Sequence

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

<400> 351

Glu Leu Gln Glu Thr Gly His Arg Gln Val Ala Leu Arg Arg Ser Gly
1 5 10 15

Arg Pro Pro Lys Cys Ala Glu Arg Pro Gly Ala Ala Asp Thr Gly Ala
20 25 30

His Cys Thr Ser Thr Asp Gly Arg Leu Lys Ile Ser Val Glu Thr Tyr
35 40 45

Thr Val Ser Ser Gln Leu Leu Met Val Leu Met Ser Leu Asp Leu Asp
50 55 60

Thr Gly Leu Val Pro Ser Leu Val Ser Lys Cys Leu Ile Leu Arg Val
65 70 75 80

Lys

<210> 352
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 352
Lys Ser Asp Ala Ser Arg Leu Ser Gly Ala
1 5 10

<210> 353
<211> 29
<212> PRT
<213> Artificial Sequence

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

<400> 353
Arg Thr Ala Tyr Phe Cys Gln Tyr His Thr Ala Ser Val Tyr Ser Glu
1 5 10 15

Arg Ala Met Pro Pro Gly Cys Pro Glu Pro Ser Gln Ala
20 25

<210> 354
<211> 91

<212> PRT
<213> Artificial Sequence

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

<400> 354
Thr Arg Ala Ser Pro Pro Arg Ser Ser Ser Ala Ile Ala Val Arg Ala
1 5 10 15

Ser Cys Cys Pro Tyr Gly Ser Thr Ser Thr Ala Ser Arg Ser Pro Thr
20 25 30

Gln Arg Cys Arg Leu Ala Arg Ala Ala Ala Ser Thr Ala Thr Glu Val
35 40 45

Thr Phe Gly Ser Ser Glu Met Gln Gly His Thr Met Gly Phe Trp Leu
50 55 60

Thr Lys Leu Asn Tyr Leu Cys His Leu Ser Met Leu Thr Asp Ser Leu
65 70 75 80

Phe Leu Pro Ile Ser His Cys Gln Cys Ile Leu
85 90

<210> 355
<211> 31
<212> PRT
<213> Artificial Sequence

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

<400> 355
Ser Ser Leu Arg Ile Thr Gly Asp Trp Thr Ser Ser Gly Arg Ser Thr
1 5 10 15

Lys Ile Trp Lys Thr Thr Gln Met Cys Arg Lys Thr Trp Ser Gly
20 25 30

<210> 356
<211> 104
<212> PRT
<213> Artificial Sequence

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

<400> 356
Arg Arg Arg Arg Gly Gly Val Gly Arg Arg Gly Val Arg Pro Gly Arg
1 5 10 15

Val Arg Pro Gly Gly Thr Gly Arg Arg Gly Gly Asp Gly Gly Arg Ala
20 25 30

Ala Ala Ala Arg Ala Ala Leu Gly Glu Leu Ala Arg Ala Leu Pro Gly
35 40 45

His Leu Leu Gln Ser Gln Ser Ala Arg Arg Ala Ala Arg Met Ala Gln
50 55 60

Leu Arg Arg Arg Ala Ala Ala Leu Pro Asn Ala Ala Ala Trp His Gly
65 70 75 80

Pro Pro His Pro Gln Leu Pro Arg Ser Pro Leu Ala Leu Gln Arg Cys
85 90 95

Arg Asp Thr Arg Trp Ala Ser Gly
100

<210> 357
<211> 66
<212> PRT
<213> Artificial Sequence

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

<400> 357
Ser Cys Lys Val Phe Phe Lys Arg Ala Ala Glu Gly Lys Gln Lys Tyr
1 5 10 15

Leu Cys Ala Ser Arg Asn Asp Cys Thr Ile Asp Lys Phe Arg Arg Lys
20 25 30

Asn Cys Pro Ser Cys Arg Leu Arg Lys Cys Tyr Glu Ala Gly Met Thr
35 40 45

Leu Gly Glu Lys Phe Arg Val Gly Asn Cys Lys His Leu Lys Met Thr
50 55 60

Arg Pro
65

<210> 358
<211> 49
<212> PRT
<213> Artificial Sequence

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

<400> 358
Met Ala Gly Ala Pro Pro Pro Ala Ser Leu Pro Pro Cys Ser Leu Ile
1 5 10 15

Ser Asp Cys Cys Ala Ser Asn Gln Arg Asp Ser Val Gly Val Gly Pro
20 25 30

Ser Glu Pro Gly Asn Asn Ile Lys Ile Cys Asn Glu Ser Ala Ser Arg
35 40 45

Lys

<210> 359
<211> 61
<212> PRT
<213> Artificial Sequence

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

<400> 359
His Gly Trp Arg Pro Phe Leu Pro Val Arg Ala Arg Ser Arg Trp Asn
1 5 10 15

Arg Arg Leu Asp Val Thr Val Ala Asn Gly Arg Ser Trp Lys Tyr Gly
20 25 30

Trp Ser Leu Leu Arg Val Pro Gln Val Asn Gly Ile Gln Val Leu Asn
35 40 45

Val Ser Leu Lys Ser Ser Ser Asn Val Ile Ser Tyr Glu
50 55 60

<210> 360
<211> 65
<212> PRT
<213> Artificial Sequence

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

<400> 360
Arg Leu Lys Glu Val Phe Gln Thr Lys Ile Gln Glu Phe Arg Lys Ala
1 5 10 15

Cys Tyr Thr Leu Thr Gly Tyr Gln Ile Asp Ile Thr Thr Glu Asn Gln
20 25 30

Tyr Arg Leu Thr Ser Leu Tyr Ala Glu His Pro Gly Asp Cys Leu Ile
35 40 45

Phe Lys Leu Arg Val Pro Gly Ser Ser Val Leu Val Thr Val Pro Gly
50 55 60

Leu
65

<210> 361
<211> 107
<212> PRT
<213> Artificial Sequence

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

<400> 361
Ala Glu Val Leu Lys Val Ile Arg Gln Ser Ala Gly Gln Lys Thr Thr
1 5 10 15

Cys Gly Gln Gly Leu Glu Gly Pro Trp Glu Arg Pro Pro Pro Leu Asp
20 25 30

Glu Ser Glu Arg Asp Gly Gly Ser Glu Asp Gln Val Glu Asp Pro Ala
35 40 45

Leu Ser Ala Leu Leu Leu Arg Pro Arg Pro Pro Arg Pro Glu Val Gly
50 55 60

Ala His Gln Asp Glu Gln Ala Ala Gln Gly Ala Asp Pro Arg Leu Gly
65 70 75 80

Ala Gln Pro Ala Cys Arg Gly Leu Pro Gly Leu Leu Thr Val Pro Gln
85 90 95

Pro Glu Pro Leu Leu Ala Pro Pro Ser Ala Ala
100 105

<210> 362
<211> 100
<212> PRT
<213> Artificial Sequence

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

<400> 362
Glu Arg Ala Glu Trp Arg Glu Asn Ile Arg Glu Gln Gln Lys Lys Cys
1 5 10 15

Phe Arg Ser Phe Ser Leu Thr Ser Val Glu Leu Gln Met Leu Thr Asn
20 25 30

Ser Cys Val Lys Leu Gln Thr Val His Ser Ile Pro Leu Thr Ile Asn
35 40 45

Lys Glu Glu Ala Leu Gln Arg Pro Val Ala Ser Asp Phe Glu Pro Gln
50 55 60

Gly Leu Ser Glu Ala Ala Arg Trp Asn Ser Lys Glu Asn Leu Leu Ala
65 70 75 80

Gly Pro Ser Glu Asn Asp Pro Asn Leu Phe Val Ala Leu Tyr Asp Phe
85 90 95

Val Ala Ser Gly
100

<210> 363
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 363
Glu Leu Gln Met Leu Thr Asn Ser Cys Val Lys Leu Gln Thr Val His
1 5 10 15

Ser Ile Pro Leu Thr Ile Asn Lys Glu Asp Asp Glu Ser Pro Gly Leu
20 25 30

Tyr Gly Phe Leu Asn Val Ile Val His Ser Ala Thr Gly Phe Lys Gln
35 40 45

Ser Ser Lys Ala Leu Gln Arg Pro Val Ala Ser Asp Phe Glu Pro Gln
50 55 60

Gly Leu Ser Glu Ala Ala Arg Trp Asn Ser Lys Glu Asn Leu Leu Ala
65 70 75 80

Gly Pro Ser Glu Asn Asp Pro Asn Leu Phe Val Ala Leu Tyr Asp Phe
85 90 95

Val Ala Ser Gly Asp
100

<210> 364
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 364
Ile Ser Asn Ser Trp Asp Ala His Leu Gly Leu Gly Ala Cys Gly Glu
1 5 10 15

Ala Glu Gly Leu Gly Val Gln Gly Ala Glu Glu Glu Glu Glu Glu Glu
20 25 30

Glu Glu Glu Glu Glu Glu Gly Ala Gly Val Pro Ala Cys Pro Pro Lys
35 40 45

Gly Pro Glu Leu Phe Pro Leu Ile Phe Pro Ala Glu Pro Ala Gln Ala
50 55 60

Ser Gly Pro Tyr Val Glu Ile Ile Glu Gln Pro Lys Gln Arg Gly Met
65 70 75 80

Arg Phe Arg Tyr Lys Cys Glu Gly Arg Ser Ala Gly Ser Ile Pro Gly
85 90 95

Glu Arg Ser Thr Asp
100

<210> 365
<211> 100
<212> PRT
<213> Artificial Sequence

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

<400> 365
Leu Gln Arg Leu Asp Gly Met Gly Cys Leu Glu Phe Asp Glu Glu Arg
1 5 10 15

Ala Gln Gln Glu Asp Ala Leu Ala Gln Gln Ala Phe Glu Glu Ala Arg
20 25 30

Arg Arg Thr Arg Glu Phe Glu Asp Arg Asp Arg Ser His Arg Glu Glu
35 40 45

Met Glu Val His Glu Leu Glu Lys Ser Lys Arg Ala Leu Glu Thr Gln
50 55 60

Met Glu Glu Met Lys Thr Gln Leu Glu Glu Leu Glu Asp Glu Leu Gln
65 70 75 80

Ala Thr Glu Asp Ala Lys Leu Arg Leu Glu Val Asn Met Gln Ala Leu
85 90 95

Lys Gly Gln Phe
100

<210> 366
<211> 100
<212> PRT
<213> Artificial Sequence

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

<400> 366
Lys Gly Ser Phe Pro Glu Asn Leu Arg His Leu Lys Asn Thr Met Glu
1 5 10 15

Thr Ile Asp Trp Lys Val Phe Glu Ser Trp Met His His Trp Leu Leu
20 25 30

Phe Glu Met Ser Arg His Ser Leu Glu Gln Lys Pro Thr Asp Ala Pro
35 40 45

Pro Lys Ala Gly Val Pro Asn Lys Pro Gly Ile Pro Lys Leu Leu Glu
50 55 60

Gly Ser Lys Asn Ser Ile Gln Trp Glu Lys Ala Glu Asp Asn Gly Cys
65 70 75 80

Arg Ile Thr Tyr Tyr Ile Leu Glu Ile Arg Lys Ser Thr Ser Asn Asn
85 90 95

Leu Gln Asn Gln
100

<210> 367
<211> 80
<212> PRT
<213> Artificial Sequence

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

<400> 367
Met Arg Pro Ser Gly Thr Ala Gly Ala Ala Leu Leu Ala Leu Leu Ala
1 5 10 15

Ala Leu Cys Pro Ala Ser Arg Ala Leu Glu Glu Lys Lys Gly Asn Tyr
20 25 30

Val Val Thr Asp His Gly Ser Cys Val Arg Ala Cys Gly Ala Asp Ser
35 40 45

Tyr Glu Met Glu Glu Asp Gly Val Arg Lys Cys Lys Lys Cys Glu Gly
50 55 60

Pro Cys Arg Lys Val Cys Asn Gly Ile Gly Ile Gly Glu Phe Lys Asp
65 70 75 80

<210> 368
<211> 100
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 368
Leu Pro Gln Pro Pro Ile Cys Thr Ile Asp Val Tyr Met Ile Met Val
1 5 10 15

Lys Cys Trp Met Ile Asp Ala Asp Ser Arg Pro Lys Phe Arg Glu Leu
20 25 30

Ile Ile Glu Phe Ser Lys Met Ala Arg Asp Pro Gln Arg Tyr Leu Val
35 40 45

Ile Gln Leu Gln Asp Lys Phe Glu His Leu Lys Met Ile Gln Gln Glu
50 55 60

Glu Ile Arg Lys Leu Glu Glu Glu Lys Lys Gln Leu Glu Gly Glu Ile
65 70 75 80

Ile Asp Phe Tyr Lys Met Lys Ala Ala Ser Glu Ala Leu Gln Thr Gln
85 90 95

Leu Ser Thr Asp
100

<210> 369
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 369
Ser Trp Glu Asn Ser Asp Asp Ser Arg Asn Lys Leu Ser Lys Ile Pro
1 5 10 15

Ser Thr Pro Lys Leu Ile Pro Lys Val Thr Lys Thr Ala Asp Lys His
20 25 30

Lys Asp Val Ile Ile Asn Gln Ala Lys Met Ser Thr Arg Glu Lys Asn
35 40 45

Ser Gln Val Tyr Arg Arg Lys His Gln Glu Leu Gln Ala Met Gln Met
50 55 60

Glu Leu Gln Ser Pro Glu Tyr Lys Leu Ser Lys Leu Arg Thr Ser Thr
65 70 75 80

Ile Met Thr Asp Tyr Asn Pro Asn Tyr Cys Phe Ala Gly Lys Thr Ser
85 90 95

Ser Ile Ser Asp Leu
100

<210> 370
<211> 100
<212> PRT
<213> Artificial Sequence

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

<400> 370
Glu Gly His Arg Met Asp Lys Pro Ala Asn Cys Thr His Asp Leu Tyr
1 5 10 15

Met Ile Met Arg Glu Cys Trp His Ala Ala Pro Ser Gln Arg Pro Thr
20 25 30

Phe Lys Gln Leu Val Glu Asp Leu Asp Arg Val Leu Thr Val Thr Ser
35 40 45

Thr Asp Val Lys Ala Thr Gln Glu Glu Asn Arg Glu Leu Arg Ser Arg
50 55 60

Cys Glu Glu Leu His Gly Lys Asn Leu Glu Leu Gly Lys Ile Met Asp
65 70 75 80

Arg Phe Glu Glu Val Val Tyr Gln Ala Met Glu Glu Val Gln Lys Gln
85 90 95

Lys Glu Leu Ser
100

<210> 371
<211> 107
<212> PRT
<213> Artificial Sequence

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

<400> 371
Arg Asp Asn Thr Leu Leu Leu Arg Arg Val Glu Leu Phe Ser Leu Ser
1 5 10 15

Arg Gln Val Ala Arg Glu Ser Thr Tyr Leu Ser Ser Leu Lys Gly Ser
20 25 30

Arg Leu His Pro Glu Glu Leu Gly Gly Pro Pro Leu Lys Lys Leu Lys
35 40 45

Gln Glu Ala Thr Ser Lys Ser Gln Ile Met Ser Leu Trp Gly Leu Val
50 55 60

Ser Lys Met Pro Pro Glu Lys Val Gln Arg Leu Tyr Val Asp Phe Pro
65 70 75 80

Gln His Leu Arg His Leu Leu Gly Asp Trp Leu Glu Ser Gln Pro Trp
85 90 95

Glu Phe Leu Val Gly Ser Asp Ala Phe Cys Cys
100 105

<210> 372
<211> 83
<212> PRT
<213> Artificial Sequence

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

<400> 372
Met Ser Arg Glu Met Gln Asp Val Asp Leu Ala Glu Val Lys Pro Leu
1 5 10 15

Val Glu Lys Gly Glu Thr Ile Thr Gly Leu Leu Gln Glu Phe Asp Val
20 25 30

Gln Glu Ala Leu Ser Val Val Ser Glu Asp Gln Ser Leu Phe Glu Cys
35 40 45

Ala Tyr Gly Thr Pro His Leu Ala Lys Thr Glu Met Thr Ala Ser Ser
50 55 60

Ser Ser Asp Tyr Gly Gln Thr Ser Lys Met Ser Pro Arg Val Pro Gln
65 70 75 80

Gln Asp Trp

<210> 373
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 373
Val Leu Asp Met His Gly Phe Leu Arg Gln Ala Leu Cys Arg Leu Arg
1 5 10 15

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

Asp Glu Phe Lys Val Arg Leu Gln Asp Leu Ser Ser Cys Ile Thr Gln
35 40 45

Gly Lys Ala Ile Glu Thr Gln Ser Ser Ser Ser Glu Glu Ile Val Pro
50 55 60

Ser Pro Pro Ser Pro Pro Pro Leu Pro Arg Ile Tyr Lys Pro Cys Phe
65 70 75 80

Val Cys Gln Asp Lys Ser Ser Gly Tyr His Tyr Gly Val Ser Ala Cys
85 90 95

Glu Gly Cys Lys Gly
100

<210> 374
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 374
Arg Ser Ser Pro Glu Gln Pro Arg Pro Ser Thr Ser Lys Ala Val Ser
1 5 10 15

```
Pro Pro His Leu Asp Gly Pro Pro Ser Pro Arg Ser Pro Val Ile Gly
            20                  25                  30

Ser Glu Val Phe Leu Pro Asn Ser Asn His Val Ala Ser Gly Ala Gly
        35                  40                  45

Glu Ala Ala Ile Glu Thr Gln Ser Ser Ser Ser Glu Glu Ile Val Pro
    50                  55                  60

Ser Pro Pro Ser Pro Pro Pro Leu Pro Arg Ile Tyr Lys Pro Cys Phe
65                  70                  75                  80

Val Cys Gln Asp Lys Ser Ser Gly Tyr His Tyr Gly Val Ser Ala Cys
                85                  90                  95

Glu Gly Cys Lys Gly
            100
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<210> 375
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 375

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Val Ala Arg Phe Asn Asp Leu Arg Phe Val Gly Arg Ser Gly Arg Gly
1               5                   10                  15

Lys Ser Phe Thr Leu Thr Ile Thr Val Phe Thr Asn Pro Pro Gln Val
            20                  25                  30

Ala Thr Tyr His Arg Ala Ile Lys Ile Thr Val Asp Gly Pro Arg Glu
        35                  40                  45

Pro Arg Asn Arg Thr Glu Lys His Ser Thr Met Pro Asp Ser Pro Val
    50                  55                  60

Asp Val Lys Thr Gln Ser Arg Leu Thr Pro Pro Thr Met Pro Pro Pro
65                  70                  75                  80

Pro Thr Thr Gln Gly Ala Pro Arg Thr Ser Ser Phe Thr Pro Thr Thr
                85                  90                  95
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Leu Thr Asn Gly Thr
100

<210> 376
<211> 55
<212> PRT
<213> Artificial Sequence

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

<400> 376
Met Ala Leu Asn Ser Glu Ala Leu Ser Val Val Ser Glu Asp Gln Ser
1 5 10 15

Leu Phe Glu Cys Ala Tyr Gly Thr Pro His Leu Ala Lys Thr Glu Met
20 25 30

Thr Ala Ser Ser Ser Ser Asp Tyr Gly Gln Thr Ser Lys Met Ser Pro
35 40 45

Arg Val Pro Gln Gln Asp Trp
50 55

<210> 377
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 377
Gly Gln Tyr Gly Lys Val Tyr Glu Gly
1 5

<210> 378
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 378
Gly Gln Tyr Gly Lys Val Tyr Glu Gly Val
1 5 10

<210> 379
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 379
Lys Leu Gly Gly Gly Gln Tyr Gly Lys
1 5

<210> 380
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 380
Lys Leu Gly Gly Gly Gln Tyr Gly Lys Val
1 5 10

<210> 381
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 381
Lys Val Tyr Glu Gly Val Trp Lys Lys
1 5

<210> 382
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 382
Lys Val Tyr Glu Gly Val Trp Lys Lys Tyr
1 5 10

<210> 383
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 383
Gln Tyr Gly Lys Val Tyr Glu Gly Val
1 5

<210> 384
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 384
Gln Tyr Gly Lys Val Tyr Glu Gly Val Trp
1 5 10

<210> 385
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 385
Gly Gln Tyr Gly Val Val Tyr Glu Gly
1 5

<210> 386
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 386
Gly Gln Tyr Gly Val Val Tyr Glu Gly Val
1 5 10

<210> 387
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 387
Lys Leu Gly Gly Gly Gln Tyr Gly Val
1 5

<210> 388
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 388
Lys Leu Gly Gly Gly Gln Tyr Gly Val Val
1 5 10

<210> 389
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 389
Gln Tyr Gly Val Val Tyr Glu Gly Val
1 5

<210> 390
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 390
Gln Tyr Gly Val Val Tyr Glu Gly Val Trp
1 5 10

<210> 391
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 391
Val Val Tyr Glu Gly Val Trp Lys Lys
1 5

<210> 392
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 392
Val Val Tyr Glu Gly Val Trp Lys Lys Tyr
1 5 10

<210> 393
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 393
Ala Thr Gln Ile Ser Ser Ala Thr Glu Tyr
1 5 10

<210> 394
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 394
Ile Ser Ser Ala Thr Glu Tyr Leu Glu Lys
1 5 10

<210> 395
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 395
Ser Ser Ala Thr Glu Tyr Leu Glu Lys
1 5

<210> 396
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 396
Thr Gln Ile Ser Ser Ala Thr Glu Tyr Leu
1 5 10

<210> 397
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 397
Tyr Met Ala Thr Gln Ile Ser Ser Ala Thr
1 5 10

<210> 398
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 398
Phe Tyr Ile Ile Ile Glu Phe Met Thr Tyr
1 5 10

<210> 399
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 399

Ile Ile Glu Phe Met Thr Tyr Gly Asn Leu
1 5 10

<210> 400
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 400
Ile Ile Ile Glu Phe Met Thr Tyr Gly
1 5

<210> 401
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 401
Ile Ile Ile Glu Phe Met Thr Tyr Gly Asn
1 5 10

<210> 402
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 402
Tyr Ile Ile Ile Glu Phe Met Thr Tyr Gly
1 5 10

<210> 403
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 403
Gly Gln His Gly Glu Val Tyr Glu Gly Val
1 5 10

<210> 404
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 404
Lys Leu Gly Gly Gly Gln His Gly Glu Val
1 5 10

<210> 405
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 405
Lys Ile Ala Asp Phe Gly Met Ala Arg
1 5

<210> 406
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 406
Arg Val Ala Lys Ile Ala Asp Phe Gly Met
1 5 10

<210> 407
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 407
Phe Ile Leu Met Glu Leu Met Ala Gly Gly
1 5 10

<210> 408
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 408
Ile Leu Met Glu Leu Met Ala Gly Gly
1 5

<210> 409
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 409
Ile Leu Met Glu Leu Met Ala Gly Gly Asp
1 5 10

<210> 410
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 410
Leu Met Glu Leu Met Ala Gly Gly Asp Leu
1 5 10

<210> 411
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 411
Leu Pro Arg Phe Ile Leu Met Glu Leu
1 5

<210> 412
<211> 10

<212> PRT
<213> Artificial Sequence

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

<400> 412
Leu Pro Arg Phe Ile Leu Met Glu Leu Met
1 5 10

<210> 413
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 413
Leu Gln Ser Leu Pro Arg Phe Ile Leu Met
1 5 10

<210> 414
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<210> 569
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<210> 572
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1 5 10

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<400> 616
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1 5

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1 5 10

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peptide

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1 5 10

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<400> 637
Ser Leu Lys Lys Val Pro Ala Leu
1 5

<210> 638
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 638
Arg Lys Ile Ser Asn Trp Ser Leu Lys Lys
1 5 10

<210> 639
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 639
Val Pro Ala Leu Lys Lys Leu Arg Ser Pro Leu
1 5 10

<210> 640
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 640
Lys Arg Val Asn Thr Ala Trp Lys Thr Lys
1 5 10

<210> 641
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 641
Met Thr Lys Lys Lys Arg Val Asn Thr Ala
1 5 10

<210> 642
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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Arg Val Asn Thr Ala Trp Lys Thr Lys
1 5

<210> 643
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<213> Artificial Sequence

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

<400> 643
Arg Val Asn Thr Ala Trp Lys Thr Lys Lys
1 5 10

<210> 644
<211> 9

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 644
Thr Lys Lys Lys Arg Val Asn Thr Ala
1 5

<210> 645
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 645
Trp Lys Thr Lys Lys Thr Ser Phe Ser Leu
1 5 10

<210> 646
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 646
Ala Leu Met Ser Ala Met Thr Thr Ser
1 5

<210> 647
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 647
Ala Met Thr Thr Ser Ser Ser Gln Lys
1 5

<210> 648
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 648
Ala Met Thr Thr Ser Ser Ser Gln Lys Asn
1 5 10

<210> 649
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 649
Cys Ile Met Lys Glu Lys Lys Ser Leu
1 5

<210> 650
<211> 10
<212> PRT
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<220>
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<400> 650
Cys Ile Met Lys Glu Lys Lys Ser Leu Val
1 5 10

<210> 651
<211> 8
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<213> Artificial Sequence

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

<400> 651
Ile Met Lys Glu Lys Lys Ser Leu
1 5

<210> 652
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 652
Ile Met Lys Glu Lys Lys Ser Leu Val
1 5

<210> 653
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 653
Lys Ser Leu Val Arg Leu Ser Ser Cys Val
1 5 10

<210> 654
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 654
Leu Val Arg Leu Ser Ser Cys Val Pro Val
1 5 10

<210> 655
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 655
Arg Leu Ser Ser Cys Val Pro Val Ala
1 5

<210> 656
<211> 10
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<213> Artificial Sequence

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

<400> 656
Arg Leu Ser Ser Cys Val Pro Val Ala Leu
1 5 10

<210> 657
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 657
Ser Ala Met Thr Thr Ser Ser Ser Gln Lys
1 5 10

<210> 658
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 658
Ser Leu Val Arg Leu Ser Ser Cys Val
1 5

<210> 659
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 659
Val Pro Val Ala Leu Met Ser Ala Met
1 5

<210> 660
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 660

Val Arg Leu Ser Ser Cys Val Pro Val Ala
1 5 10

<210> 661
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 661
Lys Met Arg Lys Lys Tyr Ala Gln Lys
1 5

<210> 662
<211> 9
<212> PRT
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<220>
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<400> 662
Phe Val Met Ser Asp Thr Thr Tyr Lys
1 5

<210> 663
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 663
Phe Val Met Ser Asp Thr Thr Tyr Lys Ile
1 5 10

<210> 664
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 664
Lys Thr Phe Glu Lys Lys Gly Glu Lys
1 5

<210> 665
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 665
Leu Phe Val Met Ser Asp Thr Thr Tyr Lys
1 5 10

<210> 666
<211> 9
<212> PRT
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<220>
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<400> 666
Met Ser Asp Thr Thr Tyr Lys Ile Tyr
1 5

<210> 667
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 667
Val Met Ser Asp Thr Thr Tyr Lys Ile
1 5

<210> 668
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 668
Val Met Ser Asp Thr Thr Tyr Lys Ile Tyr
1 5 10

<210> 669
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 669
Tyr Leu Thr Lys Trp Pro Lys Phe Phe Leu
1 5 10

<210> 670
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 670
Phe Leu Gln Glu Arg Asn Leu Pro Pro
1 5

<210> 671
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 671
Phe Arg Arg Pro His Ser Cys Leu Ala
1 5

<210> 672
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 672
Leu Ile Val Leu Arg Val Val Arg Leu
1 5

<210> 673
<211> 9

<212> PRT
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<220>
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<400> 673
Leu Leu Ser Val His Leu Ile Val Leu
1 5

<210> 674
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 674
Glu Val Lys His Leu His His Leu Leu
1 5

<210> 675
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 675
His Leu His His Leu Leu Lys Gln Leu Lys
1 5 10

<210> 676
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 676
His Leu Leu Leu Lys Arg Glu Arg Val
1 5

<210> 677
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 677
Lys Ile Lys His Leu Leu Leu Lys Arg
1 5

<210> 678
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 678
Lys Pro Ser Glu Lys Tyr Leu Lys Ile
1 5

<210> 679
<211> 9
<212> PRT
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<220>
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<400> 679
Lys Tyr Leu Lys Ile Lys His Leu Leu
1 5

<210> 680
<211> 10
<212> PRT
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<220>
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<400> 680
Lys Tyr Leu Lys Ile Lys His Leu Leu Leu
1 5 10

<210> 681
<211> 10
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 681
Leu Leu Lys Gln Leu Lys Pro Ser Glu Lys
1 5 10

<210> 682
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 682
Leu Leu Lys Arg Glu Arg Val Asp Leu
1 5

<210> 683
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 683
Leu Leu Leu Lys Arg Glu Arg Val Asp Leu
1 5 10

<210> 684
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 684
Gln Leu Lys Pro Ser Glu Lys Tyr Leu Lys
1 5 10

<210> 685
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 685
Tyr Leu Lys Ile Lys His Leu Leu Leu
1 5

<210> 686
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 686
Tyr Leu Lys Ile Lys His Leu Leu Leu Lys
1 5 10

<210> 687
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 687
Ile Leu Pro Arg Lys Val Leu Gln Met
1 5

<210> 688
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 688
Lys Val Leu Gln Met Asp Phe Leu Val
1 5

<210> 689
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 689

Leu Pro Arg Lys Val Leu Gln Met Asp Phe
1 5 10

<210> 690
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 690
Leu Gln Met Asp Phe Leu Val His Pro Ala
1 5 10

<210> 691
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 691
Gln Met Asp Phe Leu Val His Pro Ala
1 5

<210> 692
<211> 10
<212> PRT
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<220>
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<400> 692
Tyr Ile Leu Pro Arg Lys Val Leu Gln Met
1 5 10

<210> 693
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 693
Ala Pro Ser Pro Ala Ser Arg Leu Gln Cys
1 5 10

<210> 694
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 694
His Pro Leu Ala Pro Met Pro Ser Lys Thr
1 5 10

<210> 695
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 695
Ile Leu Pro Leu Pro Gln Leu Leu Leu
1 5

<210> 696
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 696
Leu Leu Leu Ser Ala Asp Gln Gln Ala
1 5

<210> 697
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 697
Leu Pro Thr Gln Thr Arg Gly Cys Ile
1 5

<210> 698
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 698
Leu Pro Thr Gln Thr Arg Gly Cys Ile Leu
1 5 10

<210> 699
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 699
Arg Ile Ser Cys Leu Pro Thr Gln Thr Arg
1 5 10

<210> 700
<211> 9
<212> PRT
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<220>
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<400> 700
Ser Leu Ala Glu Thr Val Ser Leu His
1 5

<210> 701
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 701
Thr Pro Arg Ser Ser Ser Ser Ser Ser
1 5

<210> 702
<211> 10

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 702
Thr Pro Arg Ser Ser Ser Ser Ser Ser Ser
1 5 10

<210> 703
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 703
Ala Leu Pro Pro Val Leu Leu Ser Leu
1 5

<210> 704
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 704
Ala Leu Pro Pro Val Leu Leu Ser Leu Ala
1 5 10

<210> 705
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 705
Ala Leu Pro Arg Pro Leu Leu Ala Leu
1 5

<210> 706
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 706
Ala Ser Arg Thr Ala Ser Cys Ile Leu
1 5

<210> 707
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 707
Glu Ala Leu Pro Arg Pro Leu Leu Ala Leu
1 5 10

<210> 708
<211> 9
<212> PRT
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<220>
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<400> 708
His Leu Gly His Pro Val Ala Ser Arg
1 5

<210> 709
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 709
His Pro Val Ala Ser Arg Thr Ala Ser
1 5

<210> 710
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 710
His Pro Val Ala Ser Arg Thr Ala Ser Cys
1 5 10

<210> 711
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 711
Ile Ile Gln Leu Ser Leu Leu Ser Leu Leu
1 5 10

<210> 712
<211> 9
<212> PRT
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<220>
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peptide

<400> 712
Ile Gln Leu Ser Leu Leu Ser Leu Leu
1 5

<210> 713
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 713
Ile Gln Leu Ser Leu Leu Ser Leu Leu Ile
1 5 10

<210> 714
<211> 9
<212> PRT
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<220>
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peptide

<400> 714
Leu Leu Ala Leu Pro Pro Val Leu Leu
1 5

<210> 715
<211> 9
<212> PRT
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<220>
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<400> 715
Leu Leu Ile Pro Pro Leu Thr Cys Leu
1 5

<210> 716
<211> 10
<212> PRT
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<220>
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<400> 716
Leu Leu Ile Pro Pro Leu Thr Cys Leu Ala
1 5 10

<210> 717
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 717
Leu Leu Ser Leu Leu Ile Pro Pro Leu
1 5

<210> 718
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 718

Leu Leu Ser Leu Leu Ile Pro Pro Leu Thr
1 5 10

<210> 719
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 719
Leu Pro Arg Pro Leu Leu Ala Leu Pro Pro
1 5 10

<210> 720
<211> 9
<212> PRT
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<220>
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<400> 720
Gln Leu Ser Leu Leu Ser Leu Leu Ile
1 5

<210> 721
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 721
Arg Leu Leu Gln Cys Gln Ala Thr Arg
1 5

<210> 722
<211> 9
<212> PRT
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<220>
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<400> 722
Arg Pro Leu Leu Ala Leu Pro Pro Val
1 5

<210> 723
<211> 10
<212> PRT
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<220>
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<400> 723
Arg Pro Leu Leu Ala Leu Pro Pro Val Leu
1 5 10

<210> 724
<211> 9
<212> PRT
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<220>
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<400> 724
Ser Leu Ala Gln Asp His Ser Arg Leu
1 5

<210> 725
<211> 10
<212> PRT
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<220>
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<400> 725
Ser Leu Ala Gln Asp His Ser Arg Leu Leu
1 5 10

<210> 726
<211> 10
<212> PRT
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<220>
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<400> 726
Ser Leu Leu Ile Pro Pro Leu Thr Cys Leu
1 5 10

<210> 727
<211> 9
<212> PRT
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<220>
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<400> 727
Ser Leu Leu Ser Leu Leu Ile Pro Pro
1 5

<210> 728
<211> 10
<212> PRT
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<220>
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<400> 728
Ser Leu Leu Ser Leu Leu Ile Pro Pro Leu
1 5 10

<210> 729
<211> 10
<212> PRT
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<220>
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<400> 729
Ala Ala Ala Thr Ser Ala Ala Ser Thr Leu
1 5 10

<210> 730
<211> 10
<212> PRT
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<400> 730
Ala Ala Ile Pro Ala Ser Thr Ser Ala Val
1 5 10

<210> 731
<211> 9

<212> PRT
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<220>
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peptide

<400> 731
Ala Ile Pro Ala Ser Thr Ser Ala Val
1 5

<210> 732
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<212> PRT
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<220>
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peptide

<400> 732
Ala Leu Pro Ala Gly Cys Val Ser Ser Ala
1 5 10

<210> 733
<211> 10
<212> PRT
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<220>
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peptide

<400> 733
Ala Pro Leu Leu Thr Ala Thr Gly Ser Val
1 5 10

<210> 734
<211> 9
<212> PRT
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<220>
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peptide

<400> 734
Ala Pro Val Leu Ser Ala Ser Ile Leu
1 5

<210> 735
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 735
Ala Thr Leu Leu Pro Ala Thr Thr Val
1 5

<210> 736
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<220>
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<400> 736
Ala Thr Val Ser Thr Thr Thr Ala Pro Val
1 5 10

<210> 737
<211> 10
<212> PRT
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<220>
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<400> 737
Ala Val Pro Ala Asn Cys Leu Phe Pro Ala
1 5 10

<210> 738
<211> 10
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<220>
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<400> 738
Cys Leu Phe Pro Ala Ala Leu Pro Ser Thr
1 5 10

<210> 739
<211> 9
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 739
Cys Pro Thr Phe Val Ser Ala Ala Ala
1 5

<210> 740
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peptide

<400> 740
Phe Pro Ala Ala Leu Pro Ser Thr Ala
1 5

<210> 741
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<220>
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peptide

<400> 741
Phe Pro Ala Ala Leu Pro Ser Thr Ala Gly
1 5 10

<210> 742
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peptide

<400> 742
Gly Ala Glu Cys His Gly Arg Pro Leu
1 5

<210> 743
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<220>
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peptide

<400> 743
Gly Ala Ile Ser Arg Phe Ile Trp Val
1 5

<210> 744
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<213> Artificial Sequence

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

<400> 744
Ile Leu Pro Ala Ala Ile Pro Ala Ser Thr
1 5 10

<210> 745
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 745
Ile Trp Val Ser Gly Ile Leu Ser Pro Leu
1 5 10

<210> 746
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 746
Leu Leu Thr Ala Thr Gly Ser Val Ser Leu
1 5 10

<210> 747
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 747

Leu Leu Tyr Thr Ala Asp Ser Ser Leu
1 5

<210> 748
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 748
Leu Pro Ala Ala Ala Thr Ser Ala Ala
1 5

<210> 749
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 749
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1 5 10

<210> 750
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<220>
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<400> 750
Leu Pro Ala Ala Ile Pro Ala Ser Thr
1 5

<210> 751
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<400> 751
Leu Pro Ala Gly Cys Val Ser Ser Ala
1 5

<210> 752
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<220>
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<400> 752
Leu Pro Ala Gly Cys Val Ser Ser Ala Pro
1 5 10

<210> 753
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<212> PRT
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<220>
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Leu Tyr Thr Ala Asp Ser Ser Leu Trp
1 5

<210> 754
<211> 9
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<400> 754
Gln Pro Ala Lys Ser Ser Pro Ser Ala
1 5

<210> 755
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<220>
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Gln Pro Ala Lys Ser Ser Pro Ser Ala Ala
1 5 10

<210> 756
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<220>
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<400> 756
Arg Phe Ile Trp Val Ser Gly Ile Leu
1 5

<210> 757
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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1 5

<210> 758
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 758
Arg Val Trp Ser Thr Gly Pro Asp Ser Ile
1 5 10

<210> 759
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<400> 759
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1 5

<210> 760
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<212> PRT
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1 5

<210> 761
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<220>
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Ser Leu Pro Ala Ala Ala Thr Ser Ala
1 5

<210> 762
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<220>
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Ser Leu Pro Ala Ala Ala Thr Ser Ala Ala
1 5 10

<210> 763
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<220>
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Ser Leu Trp Thr Thr Arg Pro Gln Arg
1 5

<210> 764
<211> 10
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<220>
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Ser Leu Trp Thr Thr Arg Pro Gln Arg Val
1 5 10

<210> 765
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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1 5

<210> 766
<211> 10
<212> PRT
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<220>
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<400> 766
Ser Pro Ser Ala Ala Ala Ala Thr Leu Leu
1 5 10

<210> 767
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<212> PRT
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<220>
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1 5 10

<210> 768
<211> 9
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<223> Description of Artificial Sequence: Synthetic
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1 5

<210> 769
<211> 9
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<220>
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1 5

<210> 770
<211> 10
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<220>
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peptide

<400> 770
Val Leu Ser Ala Ser Ile Leu Pro Ala Ala
1 5 10

<210> 771
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 771
Val Pro Ala Asn Cys Leu Phe Pro Ala
1 5

<210> 772
<211> 10
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<220>
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peptide

<400> 772
Val Pro Ala Asn Cys Leu Phe Pro Ala Ala
1 5 10

<210> 773
<211> 9
<212> PRT
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<400> 773
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1 5

<210> 774
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 774
Val Pro Gly Ser Ile Pro Leu Pro Ala
1 5

<210> 775
<211> 10
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 775
Val Pro Gly Ser Ile Pro Leu Pro Ala Val
1 5 10

<210> 776
<211> 9
<212> PRT
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<220>
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<400> 776

Trp Val Ser Gly Ile Leu Ser Pro Leu
1 5

<210> 777
<211> 10
<212> PRT
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<220>
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<400> 777
Tyr Thr Ala Asp Ser Ser Leu Trp Thr Thr
1 5 10

<210> 778
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 778
Ala Pro Ala Gly Met Val Asn Arg Ala
1 5

<210> 779
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 779
Ala Ser Leu His Arg Arg Ser Tyr Leu
1 5

<210> 780
<211> 10
<212> PRT
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<220>
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<400> 780
Ala Ser Leu His Arg Arg Ser Tyr Leu Lys
1 5 10

<210> 781
<211> 10
<212> PRT
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<220>
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<400> 781
Phe Leu Leu Met Asp Asn Lys Ala Pro Ala
1 5 10

<210> 782
<211> 9
<212> PRT
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<220>
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<400> 782
His Pro Arg Arg Ser Pro Ser Arg Leu
1 5

<210> 783
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 783
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1 5

<210> 784
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 784
His Arg Arg Ser Tyr Leu Lys Ile His Leu
1 5 10

<210> 785
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 785
His Ser Arg Phe Leu Leu Met Asp Asn Lys
1 5 10

<210> 786
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 786
Lys Leu Pro Ile Pro Ser Ser Ala Ser Leu
1 5 10

<210> 787
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 787
Lys Val Leu Thr Leu Ser Ser Ser Ser His
1 5 10

<210> 788
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 788
Leu Ile His Ser Arg Phe Leu Leu Met
1 5

<210> 789
<211> 9

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 789
Leu Leu Met Asp Asn Lys Ala Pro Ala
1 5

<210> 790
<211> 10
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<400> 790
Leu Met Asp Asn Lys Ala Pro Ala Gly Met
1 5 10

<210> 791
<211> 9
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<220>
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<400> 791
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1 5

<210> 792
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 792
Met Pro Asn Leu Arg Ile Ser Ser Ser
1 5

<210> 793
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 793
Met Pro Asn Leu Arg Ile Ser Ser Ser His
1 5 10

<210> 794
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 794
Asn Leu Arg Ile Ser Ser Ser His Ser Leu
1 5 10

<210> 795
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 795
Pro Pro Thr His Ser His Arg Leu Ser Leu
1 5 10

<210> 796
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 796
Arg Ala Gly Arg Arg Val Pro Trp Ala Ala
1 5 10

<210> 797
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 797
Arg Ala Arg Leu His Ile Thr Thr Ser Lys
1 5 10

<210> 798
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 798
Arg Ile Ser Ser Ser His Ser Leu Asn His
1 5 10

<210> 799
<211> 9
<212> PRT
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<220>
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peptide

<400> 799
Arg Leu His Thr Pro Pro Ser Ser Arg
1 5

<210> 800
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 800
Arg Leu His Thr Pro Pro Ser Ser Arg Arg
1 5 10

<210> 801
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 801
Arg Leu Arg Ile Leu Ser Pro Ser Leu
1 5

<210> 802
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 802
Arg Pro Leu Met Pro Asn Leu Arg Ile
1 5

<210> 803
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 803
Arg Pro Arg Pro Leu Met Pro Asn Leu
1 5

<210> 804
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 804
Ser Ala Ser Leu His Arg Arg Ser Tyr Leu
1 5 10

<210> 805
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 805

Ser Leu His Ile Ser Ser Pro Arg Leu
1 5

<210> 806
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 806
Ser Leu His Arg Arg Ser Tyr Leu Lys
1 5

<210> 807
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 807
Ser Leu His Arg Arg Ser Tyr Leu Lys Ile
1 5 10

<210> 808
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 808
Ser Leu Ile His Ser Arg Phe Leu Leu
1 5

<210> 809
<211> 10
<212> PRT
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<220>
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<400> 809
Ser Leu Ile His Ser Arg Phe Leu Leu Met
1 5 10

<210> 810
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 810
Ser Leu Leu Thr Ser Ser Ser Asn Leu
1 5

<210> 811
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 811
Ser Leu Asn His His Ser Ser Ser Pro Leu
1 5 10

<210> 812
<211> 10
<212> PRT
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<220>
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<400> 812
Ser Leu Ser Ser Pro Ser Lys Leu Pro Ile
1 5 10

<210> 813
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 813
Ser Pro Leu Ser Leu His Thr Pro Ser
1 5

<210> 814
<211> 10
<212> PRT
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<220>
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<400> 814
Ser Pro Leu Ser Leu His Thr Pro Ser Ser
1 5 10

<210> 815
<211> 9
<212> PRT
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<220>
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<400> 815
Ser Pro Pro Thr His Ser His Arg Leu
1 5

<210> 816
<211> 9
<212> PRT
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<220>
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<400> 816
Ser Pro Arg Leu His Thr Pro Pro Ser
1 5

<210> 817
<211> 10
<212> PRT
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<220>
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<400> 817
Ser Pro Arg Leu His Thr Pro Pro Ser Ser
1 5 10

<210> 818
<211> 10

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 818
Ser Pro Ser Leu Ser Ser Pro Ser Lys Leu
1 5 10

<210> 819
<211> 9
<212> PRT
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<220>
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<400> 819
Ser Tyr Leu Lys Ile His Leu Gly Leu
1 5

<210> 820
<211> 10
<212> PRT
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<220>
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<400> 820
Thr Pro Ser Asn His Arg Pro Arg Pro Leu
1 5 10

<210> 821
<211> 10
<212> PRT
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<220>
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<400> 821
Thr Pro Ser Ser His Pro Ser Leu His Ile
1 5 10

<210> 822
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 822
Cys Val Pro Phe Trp Thr Gly Arg Ile Leu
1 5 10

<210> 823
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 823
His Cys Val Pro Phe Trp Thr Gly Arg Ile Leu
1 5 10

<210> 824
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 824
Ile Leu Leu Pro Ser Ala Ala Ser Val
1 5

<210> 825
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 825
Ile Leu Leu Pro Ser Ala Ala Ser Val Cys
1 5 10

<210> 826
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 826
Leu Leu Pro Ser Ala Ala Ser Val Cys Pro Ile
1 5 10

<210> 827
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 827
Leu Pro Ser Ala Ala Ser Val Cys Pro Ile
1 5 10

<210> 828
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 828
Met Arg Pro His Cys Val Pro Phe
1 5

<210> 829
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 829
Arg Ile Leu Leu Pro Ser Ala Ala Ser Val
1 5 10

<210> 830
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 830
Arg Met Arg Pro His Cys Val Pro Phe
1 5

<210> 831
<211> 10
<212> PRT
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<220>
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<400> 831
Arg Met Arg Pro His Cys Val Pro Phe Trp
1 5 10

<210> 832
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 832
Arg Thr Asn Pro Thr Val Arg Met Arg
1 5

<210> 833
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 833
Ser Val Cys Pro Ile Pro Phe Glu Ala
1 5

<210> 834
<211> 9
<212> PRT
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<220>
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<400> 834

Thr Val Arg Met Arg Pro His Cys Val
1 5

<210> 835
<211> 11
<212> PRT
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<220>
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<400> 835
Thr Val Arg Met Arg Pro His Cys Val Pro Phe
1 5 10

<210> 836
<211> 9
<212> PRT
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<220>
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<400> 836
Val Pro Phe Trp Thr Gly Arg Ile Leu
1 5

<210> 837
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 837
Val Pro Phe Trp Thr Gly Arg Ile Leu Leu
1 5 10

<210> 838
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 838
Val Arg Met Arg Pro His Cys Val Pro Phe
1 5 10

<210> 839
<211> 9
<212> PRT
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<220>
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<400> 839
Ala Met Val Pro Arg Gly Val Ser Met
1 5

<210> 840
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 840
Ala Met Val Pro Arg Gly Val Ser Met Ala
1 5 10

<210> 841
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 841
Ala Trp Ala Pro Thr Ser Arg Thr Pro Trp
1 5 10

<210> 842
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 842
Cys Pro Met Pro Thr Thr Pro Val Gln Ala
1 5 10

<210> 843
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 843
Cys Pro Ser Thr Val Pro Pro Ser Pro Ala
1 5 10

<210> 844
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 844
Gly Ala Met Val Pro Arg Gly Val Ser Met
1 5 10

<210> 845
<211> 10
<212> PRT
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<220>
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<400> 845
Met Pro Cys Pro Met Pro Thr Thr Pro Val
1 5 10

<210> 846
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 846
Met Pro Thr Thr Pro Val Gln Ala Trp
1 5

<210> 847
<211> 10

<212> PRT
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<220>
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peptide

<400> 847
Met Pro Thr Thr Pro Val Gln Ala Trp Leu
1 5 10

<210> 848
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 848
Ser Leu Pro Glu Asp Arg Tyr Thr Gln Ala
1 5 10

<210> 849
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 849
Ser Pro Ala Gln Pro Tyr Leu Arg Val
1 5

<210> 850
<211> 10
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peptide

<400> 850
Ser Pro Ala Gln Pro Tyr Leu Arg Val Ser
1 5 10

<210> 851
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peptide

<400> 851
Thr Ile Met Pro Cys Pro Met Pro Thr
1 5

<210> 852
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peptide

<400> 852
Thr Pro Val Gln Ala Trp Leu Glu Ala
1 5

<210> 853
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 853
Thr Ser Arg Thr Pro Trp Gly Ala Met
1 5

<210> 854
<211> 10
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<220>
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peptide

<400> 854
Val Pro Pro Ser Pro Ala Gln Pro Tyr Leu
1 5 10

<210> 855
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 855
Val Pro Arg Gly Val Ser Met Ala His
1 5

<210> 856
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<212> PRT
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<220>
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peptide

<400> 856
Cys Leu Ser Ala Arg Thr Gly Leu Ser Ile
1 5 10

<210> 857
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 857
Cys Thr Thr Leu Asn Ser Pro Pro Leu Lys
1 5 10

<210> 858
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 858
Gly Leu Ser Ile Ser Cys Thr Thr Leu
1 5

<210> 859
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 859
Ser Pro Pro Leu Lys Lys Met Ser Met
1 5

<210> 860
<211> 9
<212> PRT
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<220>
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<400> 860
Thr Leu Asn Ser Pro Pro Leu Lys Lys
1 5

<210> 861
<211> 9
<212> PRT
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1 5

<210> 862
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Thr Thr Leu Asn Ser Pro Pro Leu Lys Lys
1 5 10

<210> 863
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<220>
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Leu Gln Arg Phe Arg Phe Thr His Val
1 5

<210> 864
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Leu Gln Arg Phe Arg Phe Thr His Val Ile
1 5 10

<210> 865
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<220>
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Arg Leu Ser Ser Val Leu Gln Arg Phe
1 5

<210> 866
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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Arg Leu Ser Ser Val Leu Gln Arg Phe Arg
1 5 10

<210> 867
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<223> Description of Artificial Sequence: Synthetic peptide

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Val Leu Gln Arg Phe Arg Phe Thr His Val
1 5 10

<210> 868
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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Ala Ser Val Gly Arg His Ser Leu Ser Lys
1 5 10

<210> 869
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Lys Phe Leu Pro Phe Trp Gly Phe Leu
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<210> 870
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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1 5

<210> 871
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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<210> 872
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<220>
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Pro Phe Trp Gly Phe Leu Glu Glu Phe
1 5

<210> 873
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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1 5

<210> 874
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<220>
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1 5

<210> 875
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1 5 10

<210> 876
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<212> PRT
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<220>
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1 5 10

<210> 877
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<212> PRT
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<220>
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1 5

<210> 878
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<220>
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Gly Leu Phe Leu Pro Ser Ala Ala Gln Lys
1 5 10

<210> 879
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<220>
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<210> 880
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1 5 10

<210> 881
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<212> PRT
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1 5

<210> 882
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<212> PRT
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<220>
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1 5

<210> 883
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<220>
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<400> 883
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1 5 10

<210> 884
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<210> 885
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<220>
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1 5 10

<210> 886
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<220>
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1 5 10

<210> 887
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1 5

<210> 888
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<220>
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1 5

<210> 889
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<220>
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<400> 889
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1 5 10

<210> 890
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<212> PRT
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<220>
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<400> 890
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1 5

<210> 891
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<212> PRT
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<220>
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<400> 891
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1 5 10

<210> 892
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<212> PRT
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<220>
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<400> 892

Thr Lys Lys Ala Arg Phe Ser Thr Ala
1 5

<210> 893
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<212> PRT
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<220>
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<400> 893
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1 5

<210> 894
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<400> 894
Ile Ser Gln Leu Leu Ser Trp Pro Gln Lys
1 5 10

<210> 895
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<220>
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<400> 895
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1 5

<210> 896
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<212> PRT
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<220>
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<400> 896
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1 5

<210> 897
<211> 9
<212> PRT
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<220>
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<400> 897
Ser Gln Leu Leu Ser Trp Pro Gln Lys
1 5

<210> 898
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<212> PRT
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<220>
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<400> 898
Ser Arg Ile Ala His Ile Ser Gln Leu
1 5

<210> 899
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<212> PRT
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<400> 899
Trp Pro Gln Lys Thr Glu Glu Arg Leu
1 5

<210> 900
<211> 9
<212> PRT
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<220>
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<400> 900
Tyr Ser Ser His Gln Leu Pro Arg Lys
1 5

<210> 901
<211> 10
<212> PRT
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<220>
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<400> 901
Cys Pro Gln Arg Met Thr Pro Gly Thr Thr
1 5 10

<210> 902
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 902
Glu Ala Glu Lys Arg Thr Arg Thr Leu
1 5

<210> 903
<211> 9
<212> PRT
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<220>
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<400> 903
Gly Thr Thr Phe Ile Thr Met Met Lys
1 5

<210> 904
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 904
Gly Thr Thr Phe Ile Thr Met Met Lys Lys
1 5 10

<210> 905
<211> 10

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 905
Ile Thr Met Met Lys Lys Glu Ala Glu Lys
1 5 10

<210> 906
<211> 9
<212> PRT
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<220>
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<400> 906
Arg Met Thr Pro Gly Thr Thr Phe Ile
1 5

<210> 907
<211> 9
<212> PRT
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<220>
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<400> 907
Ser Pro Tyr Cys Pro Gln Arg Met Thr
1 5

<210> 908
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 908
Thr Met Met Lys Lys Glu Ala Glu Lys
1 5

<210> 909
<211> 9
<212> PRT
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<220>
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peptide

<400> 909
Thr Pro Gly Thr Thr Phe Ile Thr Met
1 5

<210> 910
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 910
Thr Pro Gly Thr Thr Phe Ile Thr Met Met
1 5 10

<210> 911
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 911
Thr Thr Phe Ile Thr Met Met Lys Lys
1 5

<210> 912
<211> 9
<212> PRT
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<220>
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peptide

<400> 912
Cys Pro Gly Ala Thr Trp Arg Glu Ala
1 5

<210> 913
<211> 10
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 913
Cys Pro Gly Ala Thr Trp Arg Glu Ala Ala
1 5 10

<210> 914
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<220>
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peptide

<400> 914
Arg Ser Arg Cys Pro Gly Ala Thr Trp Arg
1 5 10

<210> 915
<211> 9
<212> PRT
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<220>
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peptide

<400> 915
Thr Pro Arg Ala Thr Arg Ser Arg Cys
1 5

<210> 916
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<212> PRT
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<220>
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peptide

<400> 916
His Val Leu Pro Glu Pro His Leu Ala Leu
1 5 10

<210> 917
<211> 10
<212> PRT
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<220>
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peptide

<400> 917
Arg Pro Leu Gln Thr His Val Leu Pro Glu
1 5 10

<210> 918
<211> 10
<212> PRT
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<220>
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<400> 918
Val Leu Trp Thr Thr Pro Pro Leu Gln His
1 5 10

<210> 919
<211> 10
<212> PRT
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<220>
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<400> 919
Ala Pro Ser Glu Ser Pro Cys Ser Pro Phe
1 5 10

<210> 920
<211> 10
<212> PRT
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<220>
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<400> 920
Cys Pro Leu Asp His Thr Thr Pro Pro Ala
1 5 10

<210> 921
<211> 9
<212> PRT
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<220>
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<400> 921

Phe Leu Gln Glu Gln Tyr His Glu Ala
1 5

<210> 922
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 922
Arg Leu Ala Phe Leu Gln Glu Gln Tyr His
1 5 10

<210> 923
<211> 10
<212> PRT
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<220>
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<400> 923
Ser Pro Cys Ser Pro Phe Arg Leu Ala Phe
1 5 10

<210> 924
<211> 9
<212> PRT
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<400> 924
Ser Pro Pro Trp Val Arg Ala Leu Leu
1 5

<210> 925
<211> 10
<212> PRT
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<220>
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<400> 925
Tyr Pro Ala Cys Pro Leu Asp His Thr Thr
1 5 10

<210> 926
<211> 9
<212> PRT
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<220>
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<400> 926
Ala Leu His Leu Arg Ser Cys Pro Cys
1 5

<210> 927
<211> 9
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<220>
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<400> 927
Cys Leu His His Arg Arg His Leu Val
1 5

<210> 928
<211> 10
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<220>
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<400> 928
Cys Leu His His Arg Arg His Leu Val Cys
1 5 10

<210> 929
<211> 10
<212> PRT
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<220>
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<400> 929
Cys Leu His Arg Lys Ser His Pro His Leu
1 5 10

<210> 930
<211> 9
<212> PRT
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<220>
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<400> 930
Cys Leu Arg Ser His Ala Cys Pro Pro
1 5

<210> 931
<211> 9
<212> PRT
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<220>
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<400> 931
Cys Leu Arg Ser His Thr Cys Pro Pro
1 5

<210> 932
<211> 9
<212> PRT
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<220>
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<400> 932
Cys Leu Trp Cys His Ala Cys Leu His
1 5

<210> 933
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 933
Cys Pro His His Leu Lys Asn His Leu
1 5

<210> 934
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<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 934
Cys Pro His His Leu Lys Asn Leu Leu
1 5

<210> 935
<211> 9
<212> PRT
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<220>
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peptide

<400> 935
Cys Pro His His Leu Arg Thr Arg Leu
1 5

<210> 936
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<212> PRT
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<220>
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peptide

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Cys Pro Leu His Leu Arg Ser Leu Pro Phe
1 5 10

<210> 937
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<212> PRT
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<220>
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peptide

<400> 937
Cys Pro Leu Pro Arg His Leu Lys His Leu
1 5 10

<210> 938
<211> 10
<212> PRT
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<220>
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<400> 938
Cys Pro Leu Ser Leu Arg Ser His Pro Cys
1 5 10

<210> 939
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 939
Cys Pro Arg His Leu Arg Asn Cys Pro Leu
1 5 10

<210> 940
<211> 9
<212> PRT
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<220>
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<400> 940
Phe Pro His His Leu Arg His His Ala
1 5

<210> 941
<211> 10
<212> PRT
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<220>
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<400> 941
Phe Pro His His Leu Arg His His Ala Cys
1 5 10

<210> 942
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 942
Gly Leu Arg Ser Arg Thr Cys Pro Pro
1 5

<210> 943
<211> 10
<212> PRT
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<220>
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<400> 943
His Ala Cys Leu His Arg Leu Arg Asn Leu
1 5 10

<210> 944
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 944
His Leu Ala Cys Leu His His Leu Arg
1 5

<210> 945
<211> 9
<212> PRT
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<220>
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<400> 945
His Leu Cys Pro Pro His Leu Arg Tyr
1 5

<210> 946
<211> 10
<212> PRT
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<220>
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<400> 946
His Leu Cys Pro Pro His Leu Arg Tyr Arg
1 5 10

<210> 947
<211> 9
<212> PRT
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<220>
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<400> 947
His Leu Lys His Leu Ala Cys Leu His
1 5

<210> 948
<211> 9
<212> PRT
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<220>
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<400> 948
His Leu Lys His Arg Pro Cys Pro His
1 5

<210> 949
<211> 9
<212> PRT
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<220>
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<400> 949
His Leu Lys Asn His Leu Cys Pro Pro
1 5

<210> 950
<211> 9
<212> PRT
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<220>
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<400> 950

His Leu Lys Ser His Pro Cys Leu His
1 5

<210> 951
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 951
His Leu Lys Ser Leu Leu Cys Pro Leu
1 5

<210> 952
<211> 9
<212> PRT
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<220>
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<400> 952
His Leu Leu His Leu Arg Arg Leu Tyr
1 5

<210> 953
<211> 9
<212> PRT
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<220>
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<400> 953
His Leu Arg Asn Cys Pro Leu Pro Arg
1 5

<210> 954
<211> 10
<212> PRT
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<220>
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<400> 954
His Leu Arg Asn Cys Pro Leu Pro Arg His
1 5 10

<210> 955
<211> 10
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<220>
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<400> 955
His Leu Arg Arg Leu Tyr Pro His His Leu
1 5 10

<210> 956
<211> 9
<212> PRT
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<220>
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<400> 956
His Leu Arg Ser His Pro Cys Pro Leu
1 5

<210> 957
<211> 10
<212> PRT
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<220>
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<400> 957
His Leu Arg Ser His Pro Cys Pro Leu His
1 5 10

<210> 958
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 958
His Leu Arg Ser Leu Pro Phe Pro His
1 5

<210> 959
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 959
His Leu Arg Thr Arg Leu Cys Pro His
1 5

<210> 960
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<212> PRT
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<220>
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<400> 960
His Leu Val Cys Ser His His Leu Lys
1 5

<210> 961
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<220>
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<400> 961
His Pro Cys Leu His His Arg Arg His Leu
1 5 10

<210> 962
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<400> 962
His Pro Gly Leu Arg Ser Arg Thr Cys
1 5

<210> 963
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<212> PRT
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<220>
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<400> 963
His Pro His Leu Leu His Leu Arg Arg Leu
1 5 10

<210> 964
<211> 9
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<220>
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<400> 964
His Arg Lys Ser His Pro His Leu Leu
1 5

<210> 965
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<220>
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<400> 965
His Arg Arg Thr Arg Ser Cys Pro Cys
1 5

<210> 966
<211> 10
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<400> 966
Lys Ser His Pro His Leu Leu His Leu Arg
1 5 10

<210> 967
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 967
Lys Ser Leu Leu Cys Pro Leu His Leu Arg
1 5 10

<210> 968
<211> 10
<212> PRT
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<220>
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<400> 968
Leu Leu Cys Pro Leu His Leu Arg Ser Leu
1 5 10

<210> 969
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 969
Leu Leu His Leu Arg Arg Leu Tyr Pro His
1 5 10

<210> 970
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 970
Leu Pro Arg His Leu Lys His Leu Ala
1 5

<210> 971
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 971
Leu Pro Arg His Leu Lys His Leu Ala Cys
1 5 10

<210> 972
<211> 9
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<213> Artificial Sequence

<220>
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peptide

<400> 972
Leu Arg Arg Leu Arg Ser His Thr Cys
1 5

<210> 973
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1 5

<210> 974
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<220>
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peptide

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1 5 10

<210> 975
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
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<210> 976
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<220>
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1 5

<210> 977
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<220>
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1 5 10

<210> 978
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<210> 979
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<220>
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Arg Leu Tyr Pro His His Leu Lys His Arg
1 5 10

<210> 980
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1 5 10

<210> 981
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<220>
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Arg Ser His Pro Cys Pro Leu His Leu Lys
1 5 10

<210> 982
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<220>
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Arg Ser Leu Pro Phe Pro His His Leu Arg
1 5 10

<210> 983
<211> 9
<212> PRT
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<220>
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<210> 984
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<220>
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1 5 10

<210> 985
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<220>
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Ser Leu Leu Cys Pro Leu His Leu Arg
1 5

<210> 986
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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Ser Leu Arg Ser His Ala Cys Pro Pro
1 5

<210> 987
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<212> PRT
<213> Artificial Sequence

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

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Ser Pro Leu Arg Ser Gln Ala Asn Ala
1 5

<210> 988
<211> 9
<212> PRT
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<220>
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1 5

<210> 989
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<220>
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<210> 990
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<220>
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<210> 991
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<220>
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<210> 992
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<212> PRT
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<220>
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<210> 993
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<220>
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<210> 994
<211> 9
<212> PRT
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<220>
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1 5

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<220>
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peptide

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<210> 997
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peptide

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1 5

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<211> 9
<212> PRT
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<220>
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peptide

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1 5

<210> 999
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peptide

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peptide

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1 5 10

<210> 1001
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<212> PRT
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<220>
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peptide

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<210> 1002
<211> 9
<212> PRT
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<220>
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peptide

<400> 1002
Leu Ile Ala Glu Leu His Asn Ile Leu
1 5

<210> 1003
<211> 10
<212> PRT
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<220>
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peptide

<400> 1003
Leu Ile Ala Glu Leu His Asn Ile Leu Leu
1 5 10

<210> 1004
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1004
Met Thr Pro Pro Asn Leu Ile Ala Glu Leu
1 5 10

<210> 1005
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1005
Asn Leu Ile Ala Glu Leu His Asn Ile
1 5

<210> 1006
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1006
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1 5 10

<210> 1007
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1007
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1 5 10

<210> 1008
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1008

Thr Ile Thr Arg Tyr Thr Ile Phe Val Leu
1 5 10

<210> 1009
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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1 5

<210> 1010
<211> 9
<212> PRT
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<220>
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1 5

<210> 1011
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<212> PRT
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<220>
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1 5 10

<210> 1012
<211> 10
<212> PRT
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<220>
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1 5 10

<210> 1013
<211> 9
<212> PRT
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1 5

<210> 1014
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1 5

<210> 1015
<211> 10
<212> PRT
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<220>
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<210> 1016
<211> 9
<212> PRT
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<220>
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1 5

<210> 1017
<211> 10
<212> PRT
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<220>
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1 5 10

<210> 1018
<211> 10
<212> PRT
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<220>
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<400> 1018
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1 5 10

<210> 1019
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1019
Lys Gly Gln Asn Val Ser Leu Leu Gly Lys
1 5 10

<210> 1020
<211> 9
<212> PRT
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<220>
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Leu Leu Gly Lys Tyr Ile Leu His Thr
1 5

<210> 1021
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<212> PRT
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Leu Arg Lys Ser Arg Lys Trp Lys Ser Met
1 5 10

<210> 1022
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<212> PRT
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<220>
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<400> 1022
Ser Leu Leu Gly Lys Tyr Ile Leu His
1 5

<210> 1023
<211> 10
<212> PRT
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<220>
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<400> 1023
Ser Leu Leu Gly Lys Tyr Ile Leu His Thr
1 5 10

<210> 1024
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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Cys Thr Ser Pro Leu Leu Ala Pro Val
1 5

<210> 1025
<211> 9
<212> PRT
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<220>
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peptide

<400> 1025
Phe Pro Glu Asn Leu Pro Gly Gln Leu
1 5

<210> 1026
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1026
Gly Leu Leu Ala Phe Trp Asp Ser Gln Val
1 5 10

<210> 1027
<211> 9
<212> PRT
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<220>
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peptide

<400> 1027
Ile Phe Cys Pro Phe Pro Glu Asn Leu
1 5

<210> 1028
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<212> PRT
<213> Artificial Sequence

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peptide

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Leu Leu Ala Phe Trp Asp Ser Gln Val
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<210> 1029
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peptide

<400> 1029
Leu Leu Ala Pro Val Ile Phe Cys Pro
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<210> 1030
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<220>
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peptide

<400> 1030
Leu Leu Ala Pro Val Ile Phe Cys Pro Phe
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<210> 1031
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<212> PRT
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peptide

<400> 1031
Leu Pro Cys Pro Gln Gln Asp Val Leu
1 5

<210> 1032
<211> 9
<212> PRT
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<220>
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peptide

<400> 1032
Arg Phe Pro Ser Gly Leu Leu Ala Phe
1 5

<210> 1033
<211> 10
<212> PRT
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<220>
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peptide

<400> 1033
Arg Phe Pro Ser Gly Leu Leu Ala Phe Trp
1 5 10

<210> 1034
<211> 9
<212> PRT
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<220>
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<400> 1034
Ser Pro Leu Leu Ala Pro Val Ile Phe
1 5

<210> 1035
<211> 9
<212> PRT
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<220>
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Ser Pro Arg Gly Pro Cys Thr Ser Ser
1 5

<210> 1036
<211> 10
<212> PRT
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<220>
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Ser Pro Arg Gly Pro Cys Thr Ser Ser Ser
1 5 10

<210> 1037
<211> 9
<212> PRT
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<220>
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<400> 1037

Ser Gln Val Cys Asp Leu His Val Leu
1 5

<210> 1038
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1038
Val Ile Phe Cys Pro Phe Pro Glu Asn Leu
1 5 10

<210> 1039
<211> 9
<212> PRT
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<220>
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Ala Met Val Trp Pro Leu Leu Ser Ile
1 5

<210> 1040
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<212> PRT
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<400> 1040
Ala Met Val Trp Pro Leu Leu Ser Ile Leu
1 5 10

<210> 1041
<211> 9
<212> PRT
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<220>
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<400> 1041
Ala Gln Ile Ala Met Val Trp Pro Leu
1 5

<210> 1042
<211> 10
<212> PRT
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Ala Gln Ile Ala Met Val Trp Pro Leu Leu
1 5 10

<210> 1043
<211> 9
<212> PRT
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<220>
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<400> 1043
Cys Pro Met Ser Arg Leu Arg Leu Ala
1 5

<210> 1044
<211> 10
<212> PRT
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<220>
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<400> 1044
Cys Pro Met Ser Arg Leu Arg Leu Ala Leu
1 5 10

<210> 1045
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1045
Ile Ala Met Val Trp Pro Leu Leu Ser Ile
1 5 10

<210> 1046
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1046
Ile Leu Ser Glu Trp Lys Glu Ile Cys Val
1 5 10

<210> 1047
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1047
Ile Val Trp Trp Cys Pro Met Ser Arg
1 5

<210> 1048
<211> 10
<212> PRT
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<220>
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<400> 1048
Ile Val Trp Trp Cys Pro Met Ser Arg Leu
1 5 10

<210> 1049
<211> 10
<212> PRT
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<220>
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<400> 1049
Ile Trp Met Thr Glu Thr Leu Phe Asp Ile
1 5 10

<210> 1050
<211> 9

<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 1050
Leu Leu Ser Ile Leu Ser Glu Trp Lys
1 5

<210> 1051
<211> 9
<212> PRT
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<220>
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peptide

<400> 1051
Met Ser Ala Ala Gln Ile Ala Met Val
1 5

<210> 1052
<211> 9
<212> PRT
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<220>
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peptide

<400> 1052
Met Ser Arg Leu Arg Leu Ala Leu Thr
1 5

<210> 1053
<211> 10
<212> PRT
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<220>
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peptide

<400> 1053
Met Ser Arg Leu Arg Leu Ala Leu Thr Val
1 5 10

<210> 1054
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 1054
Met Val Trp Pro Leu Leu Ser Ile Leu
1 5

<210> 1055
<211> 10
<212> PRT
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<220>
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peptide

<400> 1055
Arg Leu Ala Leu Thr Val Pro Pro Ser Thr
1 5 10

<210> 1056
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<212> PRT
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<220>
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peptide

<400> 1056
Thr Leu Phe Asp Ile Val Trp Trp Cys
1 5

<210> 1057
<211> 10
<212> PRT
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<220>
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peptide

<400> 1057
Thr Leu Phe Asp Ile Val Trp Trp Cys Pro
1 5 10

<210> 1058
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1058
Thr Met Ser Ala Ala Gln Ile Ala Met Val
1 5 10

<210> 1059
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<212> PRT
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peptide

<400> 1059
Val Trp Ser Ile Trp Met Thr Glu Thr Leu
1 5 10

<210> 1060
<211> 9
<212> PRT
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peptide

<400> 1060
Trp Met Thr Glu Thr Leu Phe Asp Ile
1 5

<210> 1061
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peptide

<400> 1061
Trp Met Thr Glu Thr Leu Phe Asp Ile Val
1 5 10

<210> 1062
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<220>
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peptide

<400> 1062
Ala Leu Arg Cys Val Phe Val Pro Val
1 5

<210> 1063
<211> 10
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<220>
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<400> 1063
Ala Leu Arg Cys Val Phe Val Pro Val Leu
1 5 10

<210> 1064
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<220>
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<400> 1064
Ala Leu Ser Glu His Cys Pro Thr Thr
1 5

<210> 1065
<211> 10
<212> PRT
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<220>
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<400> 1065
Ala Gln Arg Lys Arg Ile Ser Ala Arg Lys
1 5 10

<210> 1066
<211> 9
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<400> 1066

Gly Ala Gln Arg Lys Arg Ile Ser Ala
1 5

<210> 1067
<211> 9
<212> PRT
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<400> 1067
His Trp Met Glu Asn Ile Ser Pro Phe
1 5

<210> 1068
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<212> PRT
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<220>
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<400> 1068
Leu Pro Ser Gln Arg Arg Asn His Trp
1 5

<210> 1069
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<212> PRT
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<220>
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<400> 1069
Leu Pro Ser Gln Arg Arg Asn His Trp Met
1 5 10

<210> 1070
<211> 10
<212> PRT
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<220>
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<400> 1070
Asn Ile Ser Pro Phe Arg Ser Val Gly Val
1 5 10

<210> 1071
<211> 9
<212> PRT
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<220>
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<400> 1071
Arg Ile Ser Ala Arg Lys Gly Ser Leu
1 5

<210> 1072
<211> 10
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<400> 1072
Ser Pro Phe Arg Ser Val Gly Val Ser Ala
1 5 10

<210> 1073
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1073
Ser Pro Ser Ser His Trp Lys Thr Pro Val
1 5 10

<210> 1074
<211> 10
<212> PRT
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<220>
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<400> 1074
Thr Ala Leu Arg Cys Val Phe Val Pro Val
1 5 10

<210> 1075
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1075
Val Ile Tyr Trp Asp Gly Thr Ala Leu
1 5

<210> 1076
<211> 10
<212> PRT
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<400> 1076
Val Ile Tyr Trp Asp Gly Thr Ala Leu Arg
1 5 10

<210> 1077
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<212> PRT
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<220>
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<400> 1077
Val Leu Gly Glu Thr Gly Ala Gln Arg Lys
1 5 10

<210> 1078
<211> 9
<212> PRT
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<220>
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<400> 1078
His Pro Arg Pro Arg His Gly His Leu
1 5

<210> 1079
<211> 10

<212> PRT
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<400> 1079
His Pro Arg Pro Arg His Gly His Leu Gln
1 5 10

<210> 1080
<211> 9
<212> PRT
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<223> Description of Artificial Sequence: Synthetic peptide

<400> 1080
Arg Pro Arg His Gly His Leu Gln Ala
1 5

<210> 1081
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<400> 1081
Arg Pro Arg His Gly His Leu Gln Ala Val
1 5 10

<210> 1082
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<400> 1082
Gly Ser Leu Lys Thr Gln Val Gln Met Lys
1 5 10

<210> 1083
<211> 10
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<400> 1083
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1 5 10

<210> 1084
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1084
Arg Thr Ile Leu Asn Asn Gly Ser Leu Lys
1 5 10

<210> 1085
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1085
Ser Leu Lys Thr Gln Val Gln Met Lys
1 5

<210> 1086
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1086
Ser Leu Lys Thr Gln Val Gln Met Lys Leu
1 5 10

<210> 1087
<211> 9
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1087
Thr Ile Leu Asn Asn Gly Ser Leu Lys
1 5

<210> 1088
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
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<400> 1088
Cys Pro Pro Cys Arg Pro Lys Gln Trp Met
1 5 10

<210> 1089
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<220>
<223> Description of Artificial Sequence: Synthetic
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<400> 1089
Thr Thr Phe Cys Pro Pro Cys Arg Pro Lys
1 5 10

<210> 1090
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<220>
<223> Description of Artificial Sequence: Synthetic
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<400> 1090
Cys Phe Ala Asn Trp Pro Arg Pro Ala Leu
1 5 10

<210> 1091
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<220>
<223> Description of Artificial Sequence: Synthetic
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<400> 1091
Phe Ala Asn Trp Pro Arg Pro Ala Leu
1 5

<210> 1092
<211> 9
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<220>
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<400> 1092
Gly Leu Ile Pro His Pro Arg Pro Ala
1 5

<210> 1093
<211> 9
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<220>
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<400> 1093
His Pro Arg Pro Ala Pro Ala Ser Ala
1 5

<210> 1094
<211> 10
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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His Pro Arg Pro Ala Pro Ala Ser Ala Pro
1 5 10

<210> 1095
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1095

Ile Pro His Pro Arg Pro Ala Pro Ala
1 5

<210> 1096
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1096
Ile Pro His Pro Arg Pro Ala Pro Ala Ser
1 5 10

<210> 1097
<211> 9
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<223> Description of Artificial Sequence: Synthetic peptide

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Arg Pro Ala Leu Cys Ser Cys Gly Leu
1 5

<210> 1098
<211> 10
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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Arg Pro Ala Leu Cys Ser Cys Gly Leu Ile
1 5 10

<210> 1099
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1099
Thr Pro Leu Pro Ser Thr Arg Cys Phe
1 5

<210> 1100
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<212> PRT
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<220>
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Trp Pro Arg Pro Ala Leu Cys Ser Cys
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<210> 1101
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<220>
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Trp Pro Arg Pro Ala Leu Cys Ser Cys Gly
1 5 10

<210> 1102
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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Ala Leu Arg Arg Ser Gly Arg Pro Pro Lys
1 5 10

<210> 1103
<211> 9
<212> PRT
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<220>
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Gly Leu Val Pro Ser Leu Val Ser Lys
1 5

<210> 1104
<211> 9
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<220>
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Lys Ile Ser Val Glu Thr Tyr Thr Val
1 5

<210> 1105
<211> 10
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<220>
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<400> 1105
Leu Leu Met Val Leu Met Ser Leu Asp Leu
1 5 10

<210> 1106
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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Leu Met Ser Leu Asp Leu Asp Thr Gly Leu
1 5 10

<210> 1107
<211> 9
<212> PRT
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<220>
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<400> 1107
Leu Met Val Leu Met Ser Leu Asp Leu
1 5

<210> 1108
<211> 10

<212> PRT
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<220>
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<400> 1108
Leu Val Ser Lys Cys Leu Ile Leu Arg Val
1 5 10

<210> 1109
<211> 9
<212> PRT
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<220>
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<400> 1109
Gln Leu Leu Met Val Leu Met Ser Leu
1 5

<210> 1110
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1110
Arg Pro Gly Ala Ala Asp Thr Gly Ala
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<210> 1111
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<212> PRT
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<220>
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1 5 10

<210> 1112
<211> 9
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<220>
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peptide

<400> 1112
Ser Leu Asp Leu Asp Thr Gly Leu Val
1 5

<210> 1113
<211> 9
<212> PRT
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<220>
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peptide

<400> 1113
Ser Leu Val Ser Lys Cys Leu Ile Leu
1 5

<210> 1114
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 1114
Ser Gln Leu Leu Met Val Leu Met Ser Leu
1 5 10

<210> 1115
<211> 9
<212> PRT
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<220>
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peptide

<400> 1115
Thr Val Ser Ser Gln Leu Leu Met Val
1 5

<210> 1116
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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1116
Thr Tyr Thr Val Ser Ser Gln Leu Leu
1 5

<210> 1117
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<220>
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peptide

<400> 1117
Thr Tyr Thr Val Ser Ser Gln Leu Leu Met
1 5 10

<210> 1118
<211> 9
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<220>
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peptide

<400> 1118
Val Leu Met Ser Leu Asp Leu Asp Thr
1 5

<210> 1119
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<212> PRT
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<220>
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peptide

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Val Pro Ser Leu Val Ser Lys Cys Leu
1 5

<210> 1120
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<212> PRT
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peptide

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Val Ser Lys Cys Leu Ile Leu Arg Val Lys
1 5 10

<210> 1121
<211> 9
<212> PRT
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<220>
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<400> 1121
Tyr Thr Val Ser Ser Gln Leu Leu Met
1 5

<210> 1122
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1122
Tyr Thr Val Ser Ser Gln Leu Leu Met Val
1 5 10

<210> 1123
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1123
Phe Cys Gln Tyr His Thr Ala Ser Val
1 5

<210> 1124
<211> 9
<212> PRT
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<220>
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<400> 1124

Cys Pro Tyr Gly Ser Thr Ser Thr Ala
1 5

<210> 1125
<211> 10
<212> PRT
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<220>
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<400> 1125
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1 5 10

<210> 1126
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1126
Leu Ala Arg Ala Ala Ala Ser Thr Ala Thr
1 5 10

<210> 1127
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1127
Met Leu Thr Asp Ser Leu Phe Leu Pro
1 5

<210> 1128
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1128
Pro Pro Arg Ser Ser Ser Ala Ile Ala Val
1 5 10

<210> 1129
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1129
Arg Ala Ala Ala Ser Thr Ala Thr Glu Val
1 5 10

<210> 1130
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1130
Ser Pro Pro Arg Ser Ser Ser Ala Ile
1 5

<210> 1131
<211> 10
<212> PRT
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<220>
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<400> 1131
Ser Pro Pro Arg Ser Ser Ser Ala Ile Ala
1 5 10

<210> 1132
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1132
Ser Pro Thr Gln Arg Cys Arg Leu Ala
1 5

<210> 1133
<211> 9
<212> PRT
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<220>
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<400> 1133
Thr Gln Arg Cys Arg Leu Ala Arg Ala
1 5

<210> 1134
<211> 10
<212> PRT
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<220>
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<400> 1134
Thr Gln Arg Cys Arg Leu Ala Arg Ala Ala
1 5 10

<210> 1135
<211> 10
<212> PRT
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<220>
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<400> 1135
Lys Ile Trp Lys Thr Thr Gln Met Cys Arg
1 5 10

<210> 1136
<211> 9
<212> PRT
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<220>
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<400> 1136
Trp Thr Ser Ser Gly Arg Ser Thr Lys
1 5

<210> 1137
<211> 9

<212> PRT
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<220>
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<400> 1137
Ala Leu Gly Glu Leu Ala Arg Ala Leu
1 5

<210> 1138
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1138
Ala Gln Leu Arg Arg Arg Ala Ala Ala
1 5

<210> 1139
<211> 10
<212> PRT
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<220>
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<400> 1139
Ala Gln Leu Arg Arg Arg Ala Ala Ala Leu
1 5 10

<210> 1140
<211> 10
<212> PRT
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<220>
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<400> 1140
Ala Arg Arg Ala Ala Arg Met Ala Gln Leu
1 5 10

<210> 1141
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 1141
His Pro Gln Leu Pro Arg Ser Pro Leu
1 5

<210> 1142
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1142
His Pro Gln Leu Pro Arg Ser Pro Leu Ala
1 5 10

<210> 1143
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 1143
Leu Ala Arg Ala Leu Pro Gly His Leu
1 5

<210> 1144
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1144
Leu Ala Arg Ala Leu Pro Gly His Leu Leu
1 5 10

<210> 1145
<211> 9
<212> PRT
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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1145
Met Ala Gln Leu Arg Arg Arg Ala Ala
1 5

<210> 1146
<211> 10
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1146
Met Ala Gln Leu Arg Arg Arg Ala Ala Ala
1 5 10

<210> 1147
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1147
Gln Leu Arg Arg Arg Ala Ala Ala Leu
1 5

<210> 1148
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1148
Arg Ala Ala Ala Leu Pro Asn Ala Ala Ala
1 5 10

<210> 1149
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1149
Arg Met Ala Gln Leu Arg Arg Arg Ala Ala
1 5 10

<210> 1150
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1150
Ser Gln Ser Ala Arg Arg Ala Ala Arg Met
1 5 10

<210> 1151
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1151
Gly Met Thr Leu Gly Glu Lys Phe Arg Val
1 5 10

<210> 1152
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1152
Arg Val Gly Asn Cys Lys His Leu Lys
1 5

<210> 1153
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1153

Gly Pro Ser Glu Pro Gly Asn Asn Ile
1 5

<210> 1154
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1154
Lys Ile Cys Asn Glu Ser Ala Ser Arg Lys
1 5 10

<210> 1155
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1155
Gly Ile Gln Val Leu Asn Val Ser Leu Lys
1 5 10

<210> 1156
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1156
Ile Gln Val Leu Asn Val Ser Leu Lys
1 5

<210> 1157
<211> 9
<212> PRT
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<220>
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<400> 1157
Lys Ser Ser Ser Asn Val Ile Ser Tyr
1 5

<210> 1158
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1158
Lys Tyr Gly Trp Ser Leu Leu Arg Val
1 5

<210> 1159
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1159
Arg Ser Trp Lys Tyr Gly Trp Ser Leu
1 5

<210> 1160
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1160
Ser Leu Lys Ser Ser Ser Asn Val Ile
1 5

<210> 1161
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1161
Ser Trp Lys Tyr Gly Trp Ser Leu Leu
1 5

<210> 1162
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1162
Thr Val Ala Asn Gly Arg Ser Trp Lys
1 5

<210> 1163
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1163
Val Pro Gln Val Asn Gly Ile Gln Val
1 5

<210> 1164
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1164
Val Pro Gln Val Asn Gly Ile Gln Val Leu
1 5 10

<210> 1165
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1165
Val Thr Val Ala Asn Gly Arg Ser Trp Lys
1 5 10

<210> 1166
<211> 9

<212> PRT
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<220>
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<400> 1166
Trp Ser Leu Leu Arg Val Pro Gln Val
1 5

<210> 1167
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1167
His Pro Gly Asp Cys Leu Ile Phe Lys Leu
1 5 10

<210> 1168
<211> 9
<212> PRT
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<220>
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<400> 1168
Lys Leu Arg Val Pro Gly Ser Ser Val
1 5

<210> 1169
<211> 10
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1169
Lys Leu Arg Val Pro Gly Ser Ser Val Leu
1 5 10

<210> 1170
<211> 9
<212> PRT
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<220>
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peptide

<400> 1170
Arg Val Pro Gly Ser Ser Val Leu Val
1 5

<210> 1171
<211> 9
<212> PRT
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<220>
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peptide

<400> 1171
Ser Val Leu Val Thr Val Pro Gly Leu
1 5

<210> 1172
<211> 10
<212> PRT
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<220>
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peptide

<400> 1172
Val Pro Gly Ser Ser Val Leu Val Thr Val
1 5 10

<210> 1173
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1173
Ala Leu Leu Leu Arg Pro Arg Pro Pro Arg
1 5 10

<210> 1174
<211> 10
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1174
Ala Leu Ser Ala Leu Leu Leu Arg Pro Arg
1 5 10

<210> 1175
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1175
Leu Thr Ile Asn Lys Glu Glu Ala Leu
1 5

<210> 1176
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1176
Ile Val His Ser Ala Thr Gly Phe Lys
1 5

<210> 1177
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1177
Ala Thr Gly Phe Lys Gln Ser Ser Lys
1 5

<210> 1178
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1178
Glu Leu Phe Pro Leu Ile Phe Pro Ala
1 5

<210> 1179
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1179
Lys Gly Pro Glu Leu Phe Pro Leu Ile
1 5

<210> 1180
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1180
Lys Gly Pro Glu Leu Phe Pro Leu Ile Phe
1 5 10

<210> 1181
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1181
Lys Pro Thr Asp Ala Pro Pro Lys Ala Gly Val
1 5 10

<210> 1182
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1182

Ala Leu Glu Glu Lys Lys Gly Asn Tyr Val
1 5 10

<210> 1183
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1183
Ile Gln Leu Gln Asp Lys Phe Glu His Leu
1 5 10

<210> 1184
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1184
Gln Leu Gln Asp Lys Phe Glu His Leu
1 5

<210> 1185
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1185
Gln Leu Gln Asp Lys Phe Glu His Leu Lys
1 5 10

<210> 1186
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1186
Tyr Leu Val Ile Gln Leu Gln Asp Lys Phe
1 5 10

<210> 1187
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1187
Gln Val Tyr Arg Arg Lys His Gln Glu Leu
1 5 10

<210> 1188
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1188
Ser Thr Arg Glu Lys Asn Ser Gln Val
1 5

<210> 1189
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1189
Val Tyr Arg Arg Lys His Gln Glu Leu
1 5

<210> 1190
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1190
Val Leu Thr Val Thr Ser Thr Asp Val
1 5

<210> 1191
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1191
Val Leu Thr Val Thr Ser Thr Asp Val Lys
1 5 10

<210> 1192
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1192
Ile Met Ser Leu Trp Gly Leu Val Ser
1 5

<210> 1193
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1193
Ile Met Ser Leu Trp Gly Leu Val Ser Lys
1 5 10

<210> 1194
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1194
Lys Leu Lys Gln Glu Ala Thr Ser Lys
1 5

<210> 1195
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 1195
Gln Ile Met Ser Leu Trp Gly Leu Val
1 5

<210> 1196
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1196
Ser Gln Ile Met Ser Leu Trp Gly Leu
1 5

<210> 1197
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1197
Ser Gln Ile Met Ser Leu Trp Gly Leu Val
1 5 10

<210> 1198
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1198
Thr Ser Lys Ser Gln Ile Met Ser Leu
1 5

<210> 1199
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1199
Leu Leu Gln Glu Phe Asp Val Gln Glu Ala
1 5 10

<210> 1200
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1200
Leu Gln Glu Phe Asp Val Gln Glu Ala Leu
1 5 10

<210> 1201
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1201
Gly Pro Arg Glu Pro Arg Asn Arg Thr
1 5

<210> 1202
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1202
Arg Asn Arg Thr Glu Lys His Ser Thr Met
1 5 10

<210> 1203
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1203
Ala Leu Asn Ser Glu Ala Leu Ser Val
1 5

<210> 1204
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1204
Ala Leu Asn Ser Glu Ala Leu Ser Val Val
1 5 10

<210> 1205
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1205
Met Ala Leu Asn Ser Glu Ala Leu Ser Val
1 5 10

<210> 1206
<211> 67
<212> PRT
<213> Artificial Sequence

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

<400> 1206
Met Ser Asp Val Ala Ile Val Lys Glu Gly Trp Leu His Lys Arg Gly
1 5 10 15

Lys Tyr Ile Lys Thr Trp Arg Pro Arg Tyr Phe Leu Leu Lys Asn Asp
20 25 30

Gly Thr Phe Ile Gly Tyr Lys Glu Arg Pro Gln Asp Val Asp Gln Arg
35 40 45

Glu Ala Pro Leu Asn Asn Phe Ser Val Ala Gln Cys Gln Leu Met Lys
50 55 60

Thr Glu Arg
65

<210> 1207
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1207
Thr Met Leu Val Leu Glu Gly Ser Gly Asn Leu Val Leu Tyr Thr Gly
1 5 10 15

Val Val Arg Val Gly Lys Val Phe Ile Pro Gly Leu Pro Ala Pro Ser
20 25 30

Leu Thr Met Ser Asn Thr Met Pro Arg Pro Ser Thr Pro Leu Asp Gly
35 40 45

Val Ser Ala Pro Lys Pro Leu Ser Lys Leu Leu Gly Ser Leu Asp Glu
50 55 60

Val Val Leu Leu Ser Pro Val Pro Glu Leu Arg Asp Ser Ser Lys Leu
65 70 75 80

His Asp Ser Leu Tyr Asn Glu Asp Cys Thr Phe Gln Gln Leu Gly Thr
85 90 95

Tyr Ile His Ser Ile
100

<210> 1208
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1208
His Arg Ile Gly Gly Ile Lys Leu Arg His Gln Gln Trp Ser Leu Val
1 5 10 15

Met Glu Ser Val Val Pro Ser Asp Arg Gly Asn Tyr Thr Cys Val Val
20 25 30

Glu Asn Lys Phe Gly Ser Ile Arg Gln Thr Tyr Thr Leu Asp Val Leu
35 40 45

Glu Arg Cys Pro His Arg Pro Ile Leu Gln Ala Gly Leu Pro Ala Asn
50 55 60

Gln Thr Ala Val Leu Gly Ser Asp Val Glu Phe His Cys Lys Val Tyr
65 70 75 80

Ser Asp Ala Gln Pro His Ile Gln Trp Leu Lys His Val Glu Val Asn
85 90 95

Gly Ser Lys Val Gly
100

<210> 1209
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 1209
Met Arg Glu Pro Ile Tyr Met His Ser Thr Met Val Phe Leu Pro Trp
1 5 10 15

Glu Leu His Thr Lys Lys Gly Pro Ser Pro Pro Glu Gln Phe Met Ala
20 25 30

Val Lys Leu Ser Asp Ser Arg Thr Ala Leu Lys Ser Gly Tyr Gly Lys
35 40 45

Tyr Leu Gly Ile Asn Ser Asp Glu Leu Val Gly His Ser Asp Ala Ile
50 55 60

Gly Pro Arg Glu Gln Trp Glu Pro Val Phe Gln Asn Gly Lys Met Ala
65 70 75 80

Leu Leu Ala Ser Asn Ser Cys Phe Ile Arg
85 90

<210> 1210
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1210
Ala Val Lys Leu Ser Asp Ser Arg Ile Ala Leu Lys Ser Gly Tyr Gly
1 5 10 15

Lys Tyr Leu Gly Ile Asn Ser Asp Glu Leu Val Gly His Ser Asp Ala
20 25 30

Ile Gly Pro Arg Glu Gln Trp Glu Pro Val Phe Gln Asn Gly Lys Met
35 40 45

Ala Leu Ser Ala Ser Asn Ser Cys Phe Ile Arg Cys Asn Glu Ala Gly
50 55 60

Asp Ile Glu Ala Lys Ser Lys Thr Ala Gly Glu Glu Met Ile Lys
65 70 75 80

Ile Arg Ser Cys Ala Glu Lys Glu Thr Lys Lys Lys Asp Asp Ile Pro
85 90 95

Glu Glu Asp Lys Gly
100

<210> 1211
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1211
Ala Met Pro Asn Gln Ala Gln Met Arg Ile Leu Lys Glu Thr Glu Leu
1 5 10 15

Arg Lys Val Lys Val Leu Gly Ser Gly Ala Phe Gly Thr Val Tyr Lys
20 25 30

Gly Ile Trp Ile Pro Asp Gly Glu Asn Val Lys Ile Pro Val Ala Ile
35 40 45

Lys Val Ser Arg Glu Asn Thr Ser Pro Lys Ala Asn Lys Glu Ile Leu
50 55 60

Asp Glu Ala Tyr Val Met Ala Gly Val Gly Ser Pro Tyr Val Ser Arg
65 70 75 80

Leu Leu Gly Ile Cys Leu Thr Ser Thr Val Gln Leu Val Thr Gln Leu
85 90 95

Met Pro Tyr Gly Cys
100

<210> 1212
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1212
Arg Val Glu Glu Phe Lys Leu Lys Gln Met Trp Lys Ser Pro Asn Gly
1 5 10 15

Thr Ile Arg Asn Ile Leu Gly Gly Thr Val Phe Arg Glu Ala Ile Ile
20 25 30

Cys Lys Asn Ile Pro Arg Leu Val Ser Gly Trp Val Lys Pro Ile Ile
35 40 45

Ile Gly Gly His Ala Tyr Gly Asp Gln Tyr Arg Ala Thr Asp Phe Val
50 55 60

Val Pro Gly Pro Gly Lys Val Glu Ile Thr Tyr Thr Pro Ser Asp Gly
65 70 75 80

Thr Gln Lys Val Thr Tyr Leu Val His Asn Phe Glu Glu Gly Gly Gly
85 90 95

Val Ala Met Gly Met
100

<210> 1213
<211> 62
<212> PRT
<213> Artificial Sequence

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

<400> 1213
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu
50 55 60

<210> 1214
<211> 62
<212> PRT
<213> Artificial Sequence

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

<400> 1214
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu
50 55 60

<210> 1215
<211> 62
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1215
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu
50 55 60

<210> 1216
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1216
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly His Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
50 55 60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Thr Lys Ser Phe
65 70 75 80

Glu Asp Ile His His Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
85 90 95

Glu Asp Val Pro Met
100

<210> 1217
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1217
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly Leu Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
50 55 60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Thr Lys Ser Phe
65 70 75 80

Glu Asp Ile His His Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
85 90 95

Glu Asp Val Pro Met
100

<210> 1218
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1218
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly Lys Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
    50   55   60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Ser Lys Ser Phe
65   70   75   80

Ala Asp Ile Asn Leu Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
                85   90   95

Asp Asp Val Pro Met
            100

<210> 1219
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1219
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1   5   10   15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
            20   25   30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
        35   40   45

Ala Gly Arg Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
    50   55   60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Ser Lys Ser Phe
65   70   75   80

Ala Asp Ile Asn Leu Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
                85   90   95

Asp Asp Val Pro Met
            100

<210> 1220
<211> 101

<212> PRT
<213> Artificial Sequence

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

<400> 1220
Ile Glu Glu His Ala Asn Trp Ser Val Ser Arg Glu Ala Gly Phe Ser
1 5 10 15

Tyr Ser His Ala Gly Leu Ser Asn Arg Leu Ala Arg Asp Asn Glu Leu
20 25 30

Arg Glu Asn Asp Lys Glu Gln Leu Lys Ala Ile Ser Thr Arg Asp Pro
35 40 45

Leu Ser Lys Ile Thr Glu Gln Glu Lys Asp Phe Leu Trp Ser His Arg
50 55 60

His Tyr Cys Val Thr Ile Pro Glu Ile Leu Pro Lys Leu Leu Leu Ser
65 70 75 80

Val Lys Trp Asn Ser Arg Asp Glu Val Ala Gln Met Tyr Cys Leu Val
85 90 95

Lys Asp Trp Pro Pro
100

<210> 1221
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1221
Lys Phe Asn Cys Arg Val Ala Gln Tyr Pro Phe Glu Asp His Asn Pro
1 5 10 15

Pro Gln Leu Glu Leu Ile Lys Pro Phe Cys Glu Asp Leu Asp Gln Trp
20 25 30

Leu Ser Glu Asp Asp Asn His Val Ala Ala Ile His Cys Lys Ala Gly
35 40 45

Lys Gly Gln Thr Gly Val Met Ile Cys Ala Tyr Leu Leu His Arg Gly
50 55 60

Lys Phe Leu Lys Ala Gln Glu Ala Leu Asp Phe Tyr Gly Glu Val Arg
65 70 75 80

Thr Arg Asp Lys Lys Gly Val Thr Ile Pro Ser Gln Arg Arg Tyr Val
85 90 95

Tyr Tyr Tyr Ser Tyr
100

<210> 1222
<211> 79
<212> PRT
<213> Artificial Sequence

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

<400> 1222
Met Gln Ala Ile Lys Cys Val Val Val Gly Asp Gly Ala Val Gly Lys
1 5 10 15

Thr Cys Leu Leu Ile Ser Tyr Thr Thr Asn Ala Phe Ser Gly Glu Tyr
20 25 30

Ile Pro Thr Val Phe Asp Asn Tyr Ser Ala Asn Val Met Val Asp Gly
35 40 45

Lys Pro Val Asn Leu Gly Leu Trp Asp Thr Ala Gly Gln Glu Asp Tyr
50 55 60

Asp Arg Leu Arg Pro Leu Ser Tyr Pro Gln Thr Val Gly Glu Thr
65 70 75

<210> 1223
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1223
Ala Val Cys Lys Ser Lys Lys Ser Trp Gln Ala Arg His Thr Gly Ile
1 5 10 15

Lys Ile Val Gln Gln Ile Ala Ile Leu Met Gly Cys Ala Ile Leu Pro
20 25 30

His Leu Arg Ser Leu Val Glu Ile Ile Glu His Gly Leu Val Asp Glu
35 40 45

Gln Gln Glu Val Arg Thr Ile Ser Ala Leu Ala Ile Ala Ala Leu Ala
50 55 60

Glu Ala Ala Thr Pro Tyr Gly Ile Glu Ser Phe Asp Ser Val Leu Lys
65 70 75 80

Pro Leu Trp Lys Gly Ile Arg Gln His Arg Gly Lys Gly Leu Ala Ala
85 90 95

Phe Leu Lys Ala Ile
100

<210> 1224
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1224
Tyr Leu Ser Leu Tyr Leu Leu Leu Val Ser Cys Pro Lys Ser Glu Val
1 5 10 15

Arg Ala Lys Phe Lys Phe Ser Ile Leu Asn Ala Lys Gly Glu Glu Thr
20 25 30

Lys Ala Met Glu Ser Gln Arg Ala Tyr Arg Phe Val Gln Gly Lys Asp
35 40 45

Trp Gly Leu Lys Lys Phe Ile Arg Arg Asp Phe Leu Leu Asp Glu Ala
50 55 60

Asn Gly Leu Leu Pro Asp Asp Lys Leu Thr Leu Phe Cys Glu Val Ser
65 70 75 80

Val Val Gln Asp Ser Val Asn Ile Ser Gly Gln Asn Thr Met Asn Met
85 90 95

Val Lys Val Pro Glu
100

<210> 1225
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1225
Tyr Leu Ser Leu Tyr Leu Leu Leu Val Ser Cys Pro Lys Ser Glu Val
1 5 10 15

Arg Ala Lys Phe Lys Phe Ser Ile Leu Asn Ala Lys Gly Glu Glu Thr
20 25 30

Lys Ala Met Glu Ser Gln Arg Ala Tyr Arg Phe Val Gln Gly Lys Asp
35 40 45

Trp Gly Val Lys Lys Phe Ile Arg Arg Asp Phe Leu Leu Asp Glu Ala
50 55 60

Asn Gly Leu Leu Pro Asp Asp Lys Leu Thr Leu Phe Cys Glu Val Ser
65 70 75 80

Val Val Gln Asp Ser Val Asn Ile Ser Gly Gln Asn Thr Met Asn Met
85 90 95

Val Lys Val Pro Glu
100

<210> 1226
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1226
Ile Arg Val Glu Gly Asn Leu Arg Val Glu Tyr Leu Asp Asp Arg Asn
1 5 10 15

```
Thr Phe Arg His Ser Val Val Val Pro Tyr Glu Pro Pro Glu Val Gly
            20                  25                  30

Ser Asp Cys Thr Thr Ile His Tyr Asn Tyr Met Cys Asn Ser Ser Cys
        35                  40                  45

Met Gly Ser Met Asn Arg Arg Pro Ile Leu Thr Ile Ile Thr Leu Glu
    50                  55                  60

Asp Ser Ser Gly Asn Leu Leu Gly Arg Asn Ser Phe Glu Val Arg Val
65                  70                  75                  80

Cys Ala Cys Pro Gly Arg Asp Arg Arg Thr Glu Glu Glu Asn Leu Arg
                85                  90                  95

Lys Lys Gly Glu Pro
            100
```

<210> 1227
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1227

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Glu Gly Asn Leu Arg Val Glu Tyr Leu Asp Asp Arg Asn Thr Phe Arg
1               5                   10                  15

His Ser Val Val Val Pro Tyr Glu Pro Pro Glu Val Gly Ser Asp Cys
            20                  25                  30

Thr Thr Ile His Tyr Asn Tyr Met Cys Asn Ser Ser Cys Met Gly Gly
        35                  40                  45

Met Asn Gln Arg Pro Ile Leu Thr Ile Ile Thr Leu Glu Asp Ser Ser
    50                  55                  60

Gly Asn Leu Leu Gly Arg Asn Ser Phe Glu Val Arg Val Cys Ala Cys
65                  70                  75                  80

Pro Gly Arg Asp Arg Arg Thr Glu Glu Glu Asn Leu Arg Lys Lys Gly
                85                  90                  95
```

Glu Pro His His Glu
100

<210> 1228
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1228
Glu Gly Asn Leu Arg Val Glu Tyr Leu Asp Asp Arg Asn Thr Phe Arg
1 5 10 15

His Ser Val Val Val Pro Tyr Glu Pro Pro Glu Val Gly Ser Asp Cys
20 25 30

Thr Thr Ile His Tyr Asn Tyr Met Cys Asn Ser Ser Cys Met Gly Gly
35 40 45

Met Asn Trp Arg Pro Ile Leu Thr Ile Ile Thr Leu Glu Asp Ser Ser
50 55 60

Gly Asn Leu Leu Gly Arg Asn Ser Phe Glu Val Arg Val Cys Ala Cys
65 70 75 80

Pro Gly Arg Asp Arg Arg Thr Glu Glu Glu Asn Leu Arg Lys Lys Gly
85 90 95

Glu Pro His His Glu
100

<210> 1229
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1229
Pro Glu Val Gly Ser Asp Cys Thr Thr Ile His Tyr Asn Tyr Met Cys
1 5 10 15

Asn Ser Ser Cys Met Gly Gly Met Asn Arg Arg Pro Ile Leu Thr Ile
20 25 30

Ile Thr Leu Glu Asp Ser Ser Gly Asn Leu Leu Gly Arg Asn Ser Phe
35 40 45

Glu Val Cys Val Cys Ala Cys Pro Gly Arg Asp Arg Arg Thr Glu Glu
50 55 60

Glu Asn Leu Arg Lys Lys Gly Glu Pro His His Glu Leu Pro Pro Gly
65 70 75 80

Ser Thr Lys Arg Ala Leu Pro Asn Asn Thr Ser Ser Ser Pro Gln Pro
85 90 95

Lys Lys Lys Pro Leu
100

<210> 1230
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1230
Pro Glu Val Gly Ser Asp Cys Thr Thr Ile His Tyr Asn Tyr Met Cys
1 5 10 15

Asn Ser Ser Cys Met Gly Gly Met Asn Arg Arg Pro Ile Leu Thr Ile
20 25 30

Ile Thr Leu Glu Asp Ser Ser Gly Asn Leu Leu Gly Arg Asn Ser Phe
35 40 45

Glu Val His Val Cys Ala Cys Pro Gly Arg Asp Arg Arg Thr Glu Glu
50 55 60

Glu Asn Leu Arg Lys Lys Gly Glu Pro His His Glu Leu Pro Pro Gly
65 70 75 80

Ser Thr Lys Arg Ala Leu Pro Asn Asn Thr Ser Ser Ser Pro Gln Pro
85 90 95

Lys Lys Lys Pro Leu
100

<210> 1231
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1231
Thr Glu Val Val Arg Arg Cys Pro His His Glu Arg Cys Ser Asp Ser
1 5 10 15

Asp Gly Leu Ala Pro Pro Gln His Leu Ile Arg Val Glu Gly Asn Leu
20 25 30

Arg Val Glu Tyr Leu Asp Asp Arg Asn Thr Phe Arg His Ser Val Val
35 40 45

Val Pro Cys Glu Pro Pro Glu Val Gly Ser Asp Cys Thr Thr Ile His
50 55 60

Tyr Asn Tyr Met Cys Asn Ser Ser Cys Met Gly Gly Met Asn Arg Arg
65 70 75 80

Pro Ile Leu Thr Ile Ile Thr Leu Glu Asp Ser Ser Gly Asn Leu Leu
85 90 95

Gly Arg Asn Ser Phe
100

<210> 1232
<211> 54
<212> PRT
<213> Artificial Sequence

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

<400> 1232
Tyr Asn Phe Asp Lys Asn Tyr Lys Asp Trp Gln Ser Ala Val Glu Cys
1 5 10 15

Ile Ala Val Leu Asp Val Leu Leu Cys Leu Ala Asn Tyr Ser Arg Gly
20 25 30

Gly Asp Gly Pro Met Cys Arg Pro Val Ile Leu Leu Pro Glu Asp Thr
35 40 45

Pro Pro Leu Leu Arg Ala
50

<210> 1233
<211> 93
<212> PRT
<213> Artificial Sequence

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

<400> 1233
Ala Lys Phe Gln Gln Cys His Ser Thr Leu Glu Pro Asn Pro Ala Asp
1 5 10 15

Cys Arg Val Leu Val Tyr Leu Gln Asn Gln Pro Gly Thr Lys Leu Leu
20 25 30

Asn Phe Leu Gln Glu Arg Asn Leu Pro Pro Lys Val Val Leu Arg His
35 40 45

Pro Lys Val His Leu Asn Thr Met Phe Arg Arg Pro His Ser Cys Leu
50 55 60

Ala Asp Val Leu Leu Ser Val His Leu Ile Val Leu Arg Val Val Arg
65 70 75 80

Leu Pro Ala Pro Phe Arg Val Asn His Ala Val Glu Trp
85 90

<210> 1234
<211> 179
<212> PRT
<213> Artificial Sequence

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

<400> 1234
Ala Leu Gly Pro His Ser Arg Ile Ser Cys Leu Pro Thr Gln Thr Arg
1 5 10 15

Gly Cys Ile Leu Leu Ala Ala Thr Pro Arg Ser Ser Ser Ser Ser Ser
20 25 30

```
Ser Asn Asp Met Ile Pro Met Ala Ile Ser Ser Pro Pro Lys Ala Pro
        35                  40                  45

Leu Leu Ala Ala Pro Ser Pro Ala Ser Arg Leu Gln Cys Ile Asn Ser
    50                  55                  60

Asn Ser Arg Ile Thr Ser Gly Gln Trp Met Ala His Met Ala Leu Leu
65                  70                  75                  80

Pro Ser Gly Thr Lys Gly Arg Cys Thr Ala Cys His Thr Ala Leu Gly
                85                  90                  95

Arg Gly Ser Leu Ser Ser Ser Ser Cys Pro Gln Pro Ser Pro Ser Leu
            100                 105                 110

Pro Ala Ser Asn Lys Leu Pro Ser Leu Pro Leu Ser Lys Met Tyr Thr
        115                 120                 125

Thr Ser Met Ala Met Pro Ile Leu Pro Leu Pro Gln Leu Leu Leu Ser
    130                 135                 140

Ala Asp Gln Gln Ala Ala Pro Arg Thr Asn Phe His Ser Ser Leu Ala
145                 150                 155                 160

Glu Thr Val Ser Leu His Pro Leu Ala Pro Met Pro Ser Lys Thr Cys
                165                 170                 175

His His Lys
```

<210> 1235
<211> 67
<212> PRT
<213> Artificial Sequence

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

<400> 1235

```
Arg Ser Tyr Arg Arg Met Ile His Leu Trp Trp Thr Ala Gln Ile Ser
1               5                   10                  15

Leu Gly Val Cys Arg Ser Leu Thr Val Ala Cys Cys Thr Gly Gly Leu
            20                  25                  30
```

Val Gly Gly Thr Pro Leu Ser Ile Ser Arg Pro Thr Ser Arg Ala Arg
35 40 45

Gln Ser Cys Cys Leu Pro Gly Leu Thr His Pro Ala His Gln Pro Leu
50 55 60

Gly Ser Met
65

<210> 1236
<211> 60
<212> PRT
<213> Artificial Sequence

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

<400> 1236
Gln His Ser Gly Arg Asp Val Ser Leu Arg Gly Leu Ser Cys Ala Arg
1 5 10 15

Ala Thr Leu Ser Phe Trp Pro Gly Gly Tyr Pro Ala Tyr Ser Lys Asp
20 25 30

Ser Gly Leu Leu Thr Ser Ser Ser Arg Glu Trp Lys Val Lys Phe Pro
35 40 45

Glu Leu Leu Cys Val Trp Val Ser Ser Ile Arg His
50 55 60

<210> 1237
<211> 48
<212> PRT
<213> Artificial Sequence

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

<400> 1237
Ala Gln Ala Lys Ala Val Cys Ser Gln Glu Ser Arg Asp Val Leu Cys
1 5 10 15

Glu Leu Ser Asp His His Asn His Thr Leu Glu Glu Glu Cys Gln Trp
20 25 30

Gly Pro Cys Leu Gln Cys Leu Trp Ala Leu Leu Gln Ala Ser Gln Tyr
35 40 45

<210> 1238
<211> 113
<212> PRT
<213> Artificial Sequence

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

<400> 1238
Pro Gly Arg Pro Leu Gln Thr His Val Leu Pro Glu Pro His Leu Ala
1 5 10 15

Leu Gln Pro Leu Gln Pro His Ala Asp His Ala His Ala Asp Ala Pro
20 25 30

Ala Ile Gln Pro Val Leu Trp Thr Thr Pro Pro Leu Gln His Gly His
35 40 45

Arg His Gly Leu Glu Pro Cys Ser Met Leu Thr Gly Pro Pro Ala Arg
50 55 60

Val Pro Ala Val Pro Phe Asp Leu His Phe Cys Arg Ser Ser Ile Met
65 70 75 80

Lys Pro Lys Arg Asp Gly Tyr Met Phe Leu Lys Ala Glu Ser Lys Ile
85 90 95

Met Phe Ala Thr Leu Gln Arg Ser Ser Leu Trp Cys Leu Cys Ser Asn
100 105 110

His

<210> 1239
<211> 494
<212> PRT
<213> Artificial Sequence

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

<400> 1239
Thr Arg Arg Cys His Cys Cys Pro His Leu Arg Ser His Pro Cys Pro
1 5 10 15

```
His His Leu Arg Asn His Pro Arg Pro His His Leu Arg His His Ala
            20                  25                  30

Cys His His His Leu Arg Asn Cys Pro His Pro His Phe Leu Arg His
        35                  40                  45

Cys Thr Cys Pro Gly Arg Trp Arg Asn Arg Pro Ser Leu Arg Arg Leu
    50                  55                  60

Arg Ser Leu Leu Cys Leu Pro His Leu Asn His His Leu Phe Leu His
65                  70                  75                  80

Trp Arg Ser Arg Pro Cys Leu His Arg Lys Ser His Pro His Leu Leu
                85                  90                  95

His Leu Arg Arg Leu Tyr Pro His His Leu Lys His Arg Pro Cys Pro
            100                 105                 110

His His Leu Lys Asn Leu Leu Cys Pro Arg His Leu Arg Asn Cys Pro
        115                 120                 125

Leu Pro Arg His Leu Lys His Leu Ala Cys Leu His His Leu Arg Ser
    130                 135                 140

His Pro Cys Pro Leu His Leu Lys Ser His Pro Cys Leu His His Arg
145                 150                 155                 160

Arg His Leu Val Cys Ser His His Leu Lys Ser Leu Leu Cys Pro Leu
                165                 170                 175

His Leu Arg Ser Leu Pro Phe Pro His His Leu Arg His His Ala Cys
            180                 185                 190

Pro His His Leu Arg Thr Arg Leu Cys Pro His His Leu Lys Asn His
        195                 200                 205

Leu Cys Pro Pro His Leu Arg Tyr Arg Ala Tyr Pro Pro Cys Leu Trp
    210                 215                 220

Cys His Ala Cys Leu His Arg Leu Arg Asn Leu Pro Cys Pro His Arg
225                 230                 235                 240
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```
Leu Arg Ser Leu Pro Arg Pro Leu His Leu Arg Leu His Ala Ser Pro
                245                 250                 255

His His Leu Arg Thr Pro Pro His Pro His His Leu Arg Thr His Leu
            260                 265                 270

Leu Pro His His Arg Arg Thr Arg Ser Cys Pro Cys Arg Trp Arg Ser
        275                 280                 285

His Pro Cys Cys His Tyr Leu Arg Ser Arg Asn Ser Ala Pro Gly Pro
    290                 295                 300

Arg Gly Arg Thr Cys His Pro Gly Leu Arg Ser Arg Thr Cys Pro Pro
305                 310                 315                 320

Gly Leu Arg Ser His Thr Tyr Leu Arg Arg Leu Arg Ser His Thr Cys
                325                 330                 335

Pro Pro Ser Leu Arg Ser His Ala Tyr Ala Leu Cys Leu Arg Ser His
            340                 345                 350

Thr Cys Pro Pro Arg Leu Arg Asp His Ile Cys Pro Leu Ser Leu Arg
        355                 360                 365

Asn Cys Thr Cys Pro Pro Arg Leu Arg Ser Arg Thr Cys Leu Leu Cys
    370                 375                 380

Leu Arg Ser His Ala Cys Pro Pro Asn Leu Arg Asn His Thr Cys Pro
385                 390                 395                 400

Pro Ser Leu Arg Ser His Ala Cys Pro Pro Gly Leu Arg Asn Arg Ile
                405                 410                 415

Cys Pro Leu Ser Leu Arg Ser His Pro Cys Pro Leu Gly Leu Lys Ser
            420                 425                 430

Pro Leu Arg Ser Gln Ala Asn Ala Leu His Leu Arg Ser Cys Pro Cys
        435                 440                 445

Ser Leu Pro Leu Gly Asn His Pro Tyr Leu Pro Cys Leu Glu Ser Gln
    450                 455                 460

Pro Cys Leu Ser Leu Gly Asn His Leu Cys Pro Leu Cys Pro Arg Ser
465                 470                 475                 480
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Cys Arg Cys Pro His Leu Gly Ser His Pro Cys Arg Leu Ser
485 490

<210> 1240
<211> 35
<212> PRT
<213> Artificial Sequence

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

<400> 1240
Gly Pro Arg Ser His Pro Leu Pro Arg Leu Trp His Leu Leu Leu Gln
1 5 10 15

Val Thr Gln Thr Ser Phe Ala Leu Ala Pro Thr Leu Thr His Met Leu
20 25 30

Ser Pro His
35

<210> 1241
<211> 172
<212> PRT
<213> Artificial Sequence

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

<400> 1241
Pro Leu Gly Leu Val Pro Trp Thr Arg Trp Cys Pro Gln Gly Lys Pro
1 5 10 15

Arg Phe Pro Ala Met Ser Thr Thr Thr Ala Thr Gly Thr Thr Thr Thr
20 25 30

Lys Ser Gly Ser Ser Gly Met Ala Gly Ser Leu Ala Gln Lys Pro Glu
35 40 45

Ser Pro Ser Pro Gly Leu Leu Phe Leu Gly His Ser Pro Ser Gln Ser
50 55 60

His Leu Leu Leu Ile Ser Lys Ser Pro Asp Pro Thr Gln Gln Pro Leu
65 70 75 80

Arg Gly Gly Ser Leu Thr His Ser Ala Pro Gly Pro Ser Leu Ser Gln
85 90 95

Pro Leu Ala Gln Leu Thr Pro Pro Ala Ser Ala Pro Val Pro Ala Val
100 105 110

Cys Ser Thr Cys Lys Asn Pro Ala Ser Leu Pro Asp Thr His Arg Gly
115 120 125

Lys Gly Gly Gly Val Pro Pro Ser Pro Pro Leu Ala Leu Gly Pro Arg
130 135 140

Met Gln Leu Cys Thr Gln Leu Ala Arg Phe Phe Pro Ile Thr Pro Pro
145 150 155 160

Val Trp His Ile Leu Gly Pro Gln Arg His Thr Pro
165 170

<210> 1242
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 1242
Lys Tyr Glu Lys Lys Lys Tyr Tyr Asp Lys Asn Ala Ile Ala Ile Thr
1 5 10 15

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

Ser Leu Gln Ala Ala Val Asp Lys Asn Lys Leu Glu Lys Glu Lys Glu
35 40 45

Lys Lys Arg Lys Arg Lys Arg Glu Lys Arg Ser Gln Lys Ser Arg Gln
50 55 60

Asn His Leu Gln Leu Lys Ser Cys Arg Arg Lys Ile Ser Asn Trp Ser
65 70 75 80

Leu Lys Lys Val Pro Ala Leu Lys Lys Leu Arg Ser Pro Leu Trp Ile
85 90 95

Phe

<210> 1243
<211> 78
<212> PRT
<213> Artificial Sequence

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

<400> 1243
Cys Cys Pro Arg Thr Ile Leu Asn Asn Gly Ser Leu Lys Thr Gln Val
1 5 10 15

Gln Met Lys Leu Pro Glu Cys Gln Arg Leu Leu Pro Pro Trp Pro Leu
20 25 30

His Gln Gln Leu Leu His Arg Arg Pro Leu His Gln Pro Pro Pro Gly
35 40 45

Pro Cys His Leu Leu Ser Leu Pro Arg Lys Pro Thr Arg Ala Ala Thr
50 55 60

Val Ser Val Trp Ala Ser Cys Ile Leu Gly Gln Pro Ser Leu
65 70 75

<210> 1244
<211> 46
<212> PRT
<213> Artificial Sequence

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

<400> 1244
Leu Ala Arg Thr Pro Leu Pro Ser Thr Arg Cys Phe Ala Asn Trp Pro
1 5 10 15

Arg Pro Ala Leu Cys Ser Cys Gly Leu Ile Pro His Pro Arg Pro Ala
20 25 30

Pro Ala Ser Ala Pro Trp Pro Ser Thr Ser Ser His Ser Thr
35 40 45

<210> 1245
<211> 77

<212> PRT
<213> Artificial Sequence

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

<400> 1245
Ser Gln Gly Leu Tyr Ser Ser Ser Ala Ser Ser Gly Lys Cys Leu Met
1 5 10 15

Glu Val Thr Val Asp Arg Asn Cys Leu Glu Val Leu Pro Thr Lys Met
20 25 30

Ser Tyr Ala Ala Asn Leu Lys Asn Val Met Asn Met Gln Asn Arg Gln
35 40 45

Lys Lys Lys Gly Lys Asn Ser Pro Cys Cys Gln Lys Lys Leu Arg Val
50 55 60

Gln Asn Gln Gly His Leu Leu Met Ile Leu Leu His Asn
65 70 75

<210> 1246
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 1246
Thr Arg Ala Ser Pro Pro Arg Ser Ser Ser Ala Ile Ala Val Arg Ala
1 5 10 15

Ser Cys Cys Pro Tyr Gly Ser Thr Ser Thr Ala Ser Arg Ser Pro Thr
20 25 30

Gln Arg Cys Arg Leu Ala Arg Ala Ala Ala Ser Thr Ala Thr Glu Val
35 40 45

Thr Phe Gly Ser Ser Glu Met Gln Gly His Thr Met Gly Phe Trp Leu
50 55 60

Thr Lys Leu Asn Tyr Leu Cys His Leu Ser Met Leu Thr Asp Ser Leu
65 70 75 80

Phe Leu Pro Ile Ser His Cys Gln Cys Ile Leu
85 90

<210> 1247
<211> 104
<212> PRT
<213> Artificial Sequence

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

<400> 1247
Leu Gly Ser Gly Ala Phe Gly Thr Val Tyr Lys Gly Ile Trp Ile Pro
1 5 10 15

Asp Gly Glu Asn Val Lys Ile Pro Val Ala Ile Lys Val Leu Arg Glu
20 25 30

Asn Thr Ser Pro Lys Ala Asn Lys Glu Ile Leu Asp Glu Ala Tyr Val
35 40 45

Met Ala Tyr Val Met Ala Gly Val Gly Ser Pro Tyr Val Ser Arg Leu
50 55 60

Leu Gly Ile Cys Leu Thr Ser Thr Val Gln Leu Val Thr Gln Leu Met
65 70 75 80

Pro Tyr Gly Cys Leu Leu Asp His Val Arg Glu Asn Arg Gly Arg Leu
85 90 95

Gly Ser Gln Asp Leu Leu Asn Trp
100

<210> 1248
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1248
Lys Tyr Ile Lys Thr Trp Arg Pro Arg Tyr
1 5 10

<210> 1249
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 1249
Trp Leu His Lys Arg Gly Lys Tyr Ile
1 5

<210> 1250
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1250
Trp Leu His Lys Arg Gly Lys Tyr Ile Lys
1 5 10

<210> 1251
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1251
Ala Pro Lys Pro Leu Ser Lys Leu Leu
1 5

<210> 1252
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1252
Gly Val Ser Ala Pro Lys Pro Leu Ser Lys
1 5 10

<210> 1253
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1253
Val Ser Ala Pro Lys Pro Leu Ser Lys
1 5

<210> 1254
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1254
Cys Pro His Arg Pro Ile Leu Gln Ala
1 5

<210> 1255
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1255
Lys Leu Ser Asp Ser Arg Thr Ala Leu
1 5

<210> 1256
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1256
Lys Leu Ser Asp Ser Arg Thr Ala Leu Lys
1 5 10

<210> 1257
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1257
Leu Ser Asp Ser Arg Thr Ala Leu Lys
1 5

<210> 1258
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1258
Arg Thr Ala Leu Lys Ser Gly Tyr Gly Lys
1 5 10

<210> 1259
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1259
Thr Ala Leu Lys Ser Gly Tyr Gly Lys
1 5

<210> 1260
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1260
Ala Leu Ser Ala Ser Asn Ser Cys Phe
1 5

<210> 1261
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1261
Ala Leu Ser Ala Ser Asn Ser Cys Phe Ile
1 5 10

<210> 1262
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1262
Phe Gln Asn Gly Lys Met Ala Leu Ser Ala
1 5 10

<210> 1263
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1263
Lys Val Ser Arg Glu Asn Thr Ser Pro Lys
1 5 10

<210> 1264
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1264
Lys Pro Ile Ile Ile Gly Gly His Ala Tyr
1 5 10

<210> 1265
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1265

Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 1266
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1266
Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 1267
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1267
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 1268
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1268
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 1269
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1269
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 1270
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1270
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 1271
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1271
Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 1272
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1272
Leu Val Val Val Gly Ala Asp Gly Val
1 5

<210> 1273
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1273
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 1274
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1274
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 1275
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1275
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 1276
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1276
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 1277
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1277
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1278
<211> 10

<212> PRT
<213> Artificial Sequence

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

<400> 1278
Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1279
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1279
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 1280
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1280
Ile Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5 10

<210> 1281
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1281
Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 1282
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1282
Ala Ile Ser Thr Arg Asp Pro Leu Ser Lys
1 5 10

<210> 1283
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1283
Gln Thr Gly Val Met Ile Cys Ala Tyr
1 5

<210> 1284
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1284
Phe Ser Gly Glu Tyr Ile Pro Thr Val
1 5

<210> 1285
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1285
Thr Thr Asn Ala Phe Ser Gly Glu Tyr
1 5

<210> 1286
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1286
Tyr Thr Thr Asn Ala Phe Ser Gly Glu Tyr
1 5 10

<210> 1287
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1287
Gly Leu Val Asp Glu Gln Gln Glu Val
1 5

<210> 1288
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1288
Phe Val Gln Gly Lys Asp Trp Gly Leu
1 5

<210> 1289
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1289
Phe Val Gln Gly Lys Asp Trp Gly Val
1 5

<210> 1290
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1290
Cys Met Gly Ser Met Asn Arg Arg Pro Ile
1 5 10

<210> 1291
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1291
Gly Ser Met Asn Arg Arg Pro Ile Leu
1 5

<210> 1292
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1292
Met Gly Ser Met Asn Arg Arg Pro Ile
1 5

<210> 1293
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1293
Met Gly Ser Met Asn Arg Arg Pro Ile Leu
1 5 10

<210> 1294
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1294

Ser Met Asn Arg Arg Pro Ile Leu Thr Ile
1 5 10

<210> 1295
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1295
Cys Met Gly Gly Met Asn Gln Arg Pro Ile
1 5 10

<210> 1296
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1296
Gly Met Asn Gln Arg Pro Ile Leu Thr Ile
1 5 10

<210> 1297
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1297
Asn Gln Arg Pro Ile Leu Thr Ile Ile
1 5

<210> 1298
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1298
Cys Met Gly Gly Met Asn Trp Arg Pro Ile
1 5 10

<210> 1299
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1299
Gly Met Asn Trp Arg Pro Ile Leu Thr Ile
1 5 10

<210> 1300
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1300
Met Asn Trp Arg Pro Ile Leu Thr Ile
1 5

<210> 1301
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1301
Met Asn Trp Arg Pro Ile Leu Thr Ile Ile
1 5 10

<210> 1302
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1302
Asn Ser Phe Glu Val Cys Val Cys Ala
1 5

<210> 1303
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1303
Asn Ser Phe Glu Val His Val Cys Ala
1 5

<210> 1304
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1304
Val Val Pro Cys Glu Pro Pro Glu Val
1 5

<210> 1305
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1305
Val Val Val Pro Cys Glu Pro Pro Glu Val
1 5 10

<210> 1306
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1306
Ile Leu Leu Pro Glu Asp Thr Pro Pro Leu
1 5 10

<210> 1307
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 1307
Leu Leu Pro Glu Asp Thr Pro Pro Leu
1 5

<210> 1308
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1308
Ala Pro Phe Arg Val Asn His Ala Val
1 5

<210> 1309
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1309
Cys Leu Ala Asp Val Leu Leu Ser Val
1 5

<210> 1310
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1310
Phe Leu Gln Glu Arg Asn Leu Pro Pro Lys
1 5 10

<210> 1311
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1311
His Leu Ile Val Leu Arg Val Val Arg Leu
1 5 10

<210> 1312
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1312
His Pro Lys Val His Leu Asn Thr Met
1 5

<210> 1313
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1313
His Pro Lys Val His Leu Asn Thr Met Phe
1 5 10

<210> 1314
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1314
Lys Val His Leu Asn Thr Met Phe Arg
1 5

<210> 1315
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1315
Lys Val His Leu Asn Thr Met Phe Arg Arg
1 5 10

<210> 1316
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1316
Leu Pro Ala Pro Phe Arg Val Asn His Ala
1 5 10

<210> 1317
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1317
Met Phe Arg Arg Pro His Ser Cys Leu
1 5

<210> 1318
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1318
Met Phe Arg Arg Pro His Ser Cys Leu Ala
1 5 10

<210> 1319
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1319
Asn Thr Met Phe Arg Arg Pro His Ser Cys
1 5 10

<210> 1320
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1320
Arg Pro His Ser Cys Leu Ala Asp Val
1 5

<210> 1321
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1321
Arg Pro His Ser Cys Leu Ala Asp Val Leu
1 5 10

<210> 1322
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1322
Arg Val Val Arg Leu Pro Ala Pro Phe Arg
1 5 10

<210> 1323
<211> 9
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1 5

<210> 1324
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<220>
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1 5

<210> 1325
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1 5 10

<210> 1326
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<220>
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Val Leu Leu Ser Val His Leu Ile Val
1 5

<210> 1327
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<220>
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1 5 10

<210> 1328
<211> 9
<212> PRT
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<220>
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Val Leu Arg Val Val Arg Leu Pro Ala
1 5

<210> 1329
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<220>
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1 5

<210> 1330
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<210> 1331
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<220>
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<210> 1332
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<220>
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1 5

<210> 1333
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<220>
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1 5 10

<210> 1334
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<220>
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1 5 10

<210> 1335
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<220>
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<210> 1336
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<212> PRT
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<220>
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1 5 10

<210> 1337
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<220>
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1 5 10

<210> 1338
<211> 9
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<220>
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1 5

<210> 1339
<211> 9
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<220>
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<210> 1340
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<220>
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<210> 1341
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Lys Leu Pro Ser Leu Pro Leu Ser Lys
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<210> 1342
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<212> PRT
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<220>
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1 5 10

<210> 1343
<211> 9
<212> PRT
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<220>
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1 5

<210> 1344
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

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Leu Leu Ala Ala Pro Ser Pro Ala Ser Arg
1 5 10

<210> 1345
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<220>
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<210> 1346
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<220>
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<210> 1347
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<220>
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1 5

<210> 1348
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<220>
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peptide

<400> 1348
Leu Pro Ala Ser Asn Lys Leu Pro Ser Leu
1 5 10

<210> 1349
<211> 10
<212> PRT
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<220>
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<210> 1350
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<220>
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1 5

<210> 1351
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1351
Leu Ser Lys Met Tyr Thr Thr Ser Met
1 5

<210> 1352
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1352

Met Ala Leu Leu Pro Ser Gly Thr Lys
1 5

<210> 1353
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1353
Met Pro Ile Leu Pro Leu Pro Gln Leu
1 5

<210> 1354
<211> 10
<212> PRT
<213> Artificial Sequence

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

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Met Pro Ile Leu Pro Leu Pro Gln Leu Leu
1 5 10

<210> 1355
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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1 5 10

<210> 1356
<211> 9
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<220>
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1 5

<210> 1357
<211> 9
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<220>
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Gln Trp Met Ala His Met Ala Leu Leu
1 5

<210> 1358
<211> 10
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1358
Ser Lys Met Tyr Thr Thr Ser Met Ala Met
1 5 10

<210> 1359
<211> 9
<212> PRT
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<220>
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<400> 1359
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1 5

<210> 1360
<211> 9
<212> PRT
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<220>
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1 5

<210> 1361
<211> 9
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<220>
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<400> 1361
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1 5

<210> 1362
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<220>
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1 5 10

<210> 1363
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<220>
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1 5 10

<210> 1364
<211> 9
<212> PRT
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<220>
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<400> 1364
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1 5

<210> 1365
<211> 10

<212> PRT
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<220>
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<400> 1365
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1 5 10

<210> 1366
<211> 9
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<220>
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<400> 1366
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1 5

<210> 1367
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1367
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1 5 10

<210> 1368
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1368
His Pro Ala His Gln Pro Leu Gly Ser Met
1 5 10

<210> 1369
<211> 9
<212> PRT
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<220>
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<400> 1369
Leu Thr His Pro Ala His Gln Pro Leu
1 5

<210> 1370
<211> 10
<212> PRT
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<220>
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<400> 1370
Arg Pro Thr Ser Arg Ala Arg Gln Ser Cys
1 5 10

<210> 1371
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1371
Arg Gln Ser Cys Cys Leu Pro Gly Leu
1 5

<210> 1372
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1372
Thr Ser Arg Ala Arg Gln Ser Cys Cys Leu
1 5 10

<210> 1373
<211> 10
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1373
Glu Leu Leu Cys Val Trp Val Ser Ser Ile
1 5 10

<210> 1374
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1374
Glu Trp Lys Val Lys Phe Pro Glu Leu
1 5

<210> 1375
<211> 9
<212> PRT
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<220>
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peptide

<400> 1375
Lys Phe Pro Glu Leu Leu Cys Val Trp
1 5

<210> 1376
<211> 9
<212> PRT
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<220>
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<400> 1376
Leu Leu Cys Val Trp Val Ser Ser Ile
1 5

<210> 1377
<211> 10
<212> PRT
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<220>
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<400> 1377
Leu Leu Thr Ser Ser Ser Arg Glu Trp Lys
1 5 10

<210> 1378
<211> 9
<212> PRT
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<220>
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<400> 1378
Leu Thr Ser Ser Ser Arg Glu Trp Lys
1 5

<210> 1379
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<220>
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<400> 1379
Tyr Pro Ala Tyr Ser Lys Asp Ser Gly Leu
1 5 10

<210> 1380
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<220>
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<400> 1380
Cys Leu Gln Cys Leu Trp Ala Leu Leu
1 5

<210> 1381
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<212> PRT
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<220>
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<400> 1381

Cys Gln Trp Gly Pro Cys Leu Gln Cys Leu
1 5 10

<210> 1382
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<212> PRT
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<220>
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<400> 1382
Gln Trp Gly Pro Cys Leu Gln Cys Leu
1 5

<210> 1383
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1383
Gln Trp Gly Pro Cys Leu Gln Cys Leu Trp
1 5 10

<210> 1384
<211> 9
<212> PRT
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<220>
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<400> 1384
Ala Ile Gln Pro Val Leu Trp Thr Thr
1 5

<210> 1385
<211> 9
<212> PRT
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<220>
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<400> 1385
Ala Leu Gln Pro Leu Gln Pro His Ala
1 5

<210> 1386
<211> 10
<212> PRT
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<220>
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Asp Leu His Phe Cys Arg Ser Ser Ile Met
1 5 10

<210> 1387
<211> 9
<212> PRT
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<220>
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<400> 1387
Glu Pro His Leu Ala Leu Gln Pro Leu
1 5

<210> 1388
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<212> PRT
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<220>
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<400> 1388
Glu Ser Lys Ile Met Phe Ala Thr Leu
1 5

<210> 1389
<211> 9
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<220>
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<400> 1389
Phe Ala Thr Leu Gln Arg Ser Ser Leu
1 5

<210> 1390
<211> 9
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<220>
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Phe Leu Lys Ala Glu Ser Lys Ile Met
1 5

<210> 1391
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<220>
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<400> 1391
Phe Leu Lys Ala Glu Ser Lys Ile Met Phe
1 5 10

<210> 1392
<211> 9
<212> PRT
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<220>
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<400> 1392
Gly Pro Pro Ala Arg Val Pro Ala Val
1 5

<210> 1393
<211> 10
<212> PRT
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<220>
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<400> 1393
Ile Met Lys Pro Lys Arg Asp Gly Tyr Met
1 5 10

<210> 1394
<211> 9

<212> PRT
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<220>
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Lys Ile Met Phe Ala Thr Leu Gln Arg
1 5

<210> 1395
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<400> 1395
Lys Pro Lys Arg Asp Gly Tyr Met Phe
1 5

<210> 1396
<211> 10
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<220>
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<400> 1396
Lys Pro Lys Arg Asp Gly Tyr Met Phe Leu
1 5 10

<210> 1397
<211> 9
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<220>
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<400> 1397
Leu His Phe Cys Arg Ser Ser Ile Met
1 5

<210> 1398
<211> 9
<212> PRT
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<220>
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peptide

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Leu Gln His Gly His Arg His Gly Leu
1 5

<210> 1399
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<212> PRT
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<220>
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peptide

<400> 1399
Met Phe Ala Thr Leu Gln Arg Ser Ser Leu
1 5 10

<210> 1400
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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peptide

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Met Phe Leu Lys Ala Glu Ser Lys Ile
1 5

<210> 1401
<211> 9
<212> PRT
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<220>
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peptide

<400> 1401
Met Leu Thr Gly Pro Pro Ala Arg Val
1 5

<210> 1402
<211> 10
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1402
Gln Pro Val Leu Trp Thr Thr Pro Pro Leu
1 5 10

<210> 1403
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 1403
Ser Met Leu Thr Gly Pro Pro Ala Arg Val
1 5 10

<210> 1404
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1404
Thr Leu Gln Arg Ser Ser Leu Trp Cys Leu
1 5 10

<210> 1405
<211> 9
<212> PRT
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<400> 1405
Val Leu Pro Glu Pro His Leu Ala Leu
1 5

<210> 1406
<211> 10
<212> PRT
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<220>
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peptide

<400> 1406
Val Pro Ala Val Pro Phe Asp Leu His Phe
1 5 10

<210> 1407
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1407
Tyr Met Phe Leu Lys Ala Glu Ser Lys
1 5

<210> 1408
<211> 10
<212> PRT
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<400> 1408
Tyr Met Phe Leu Lys Ala Glu Ser Lys Ile
1 5 10

<210> 1409
<211> 9
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<400> 1409
Ala Pro Gly Pro Arg Gly Arg Thr Cys
1 5

<210> 1410
<211> 10
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<400> 1410

Cys Leu Arg Ser His Thr Cys Pro Pro Arg
1 5 10

<210> 1411
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<220>
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<400> 1411
Cys Leu Trp Cys His Ala Cys Leu His Arg
1 5 10

<210> 1412
<211> 9
<212> PRT
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<400> 1412
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1 5

<210> 1413
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<400> 1413
Cys Pro Leu Gly Leu Lys Ser Pro Leu
1 5

<210> 1414
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<400> 1414
Cys Pro Arg Ser Cys Arg Cys Pro His
1 5

<210> 1415
<211> 10
<212> PRT
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<400> 1415
Cys Pro Arg Ser Cys Arg Cys Pro His Leu
1 5 10

<210> 1416
<211> 10
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<400> 1416
Cys Ser Leu Pro Leu Gly Asn His Pro Tyr
1 5 10

<210> 1417
<211> 9
<212> PRT
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<400> 1417
Gly Leu Arg Asn Arg Ile Cys Pro Leu
1 5

<210> 1418
<211> 9
<212> PRT
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<400> 1418
Gly Leu Arg Ser His Thr Tyr Leu Arg
1 5

<210> 1419
<211> 10
<212> PRT
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<400> 1419
Gly Leu Arg Ser His Thr Tyr Leu Arg Arg
1 5 10

<210> 1420
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<212> PRT
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<400> 1420
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1 5 10

<210> 1421
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<400> 1421
His Leu Gly Ser His Pro Cys Arg Leu
1 5

<210> 1422
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<400> 1422
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1 5

<210> 1423
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<212> PRT
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peptide

<400> 1423
His Leu Arg Ser Cys Pro Cys Ser Leu
1 5

<210> 1424
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peptide

<400> 1424
His Leu Arg Thr His Leu Leu Pro His
1 5

<210> 1425
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<212> PRT
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peptide

<400> 1425
His Leu Arg Thr His Leu Leu Pro His His
1 5 10

<210> 1426
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<212> PRT
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<220>
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peptide

<400> 1426
His Leu Arg Tyr Arg Ala Tyr Pro Pro
1 5

<210> 1427
<211> 10
<212> PRT
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<400> 1427
His Leu Arg Tyr Arg Ala Tyr Pro Pro Cys
1 5 10

<210> 1428
<211> 9
<212> PRT
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<400> 1428
His Pro His His Leu Arg Thr His Leu
1 5

<210> 1429
<211> 10
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<400> 1429
His Pro His His Leu Arg Thr His Leu Leu
1 5 10

<210> 1430
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<400> 1430
His Thr Tyr Leu Arg Arg Leu Arg Ser His
1 5 10

<210> 1431
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1431
Leu Pro Cys Pro His Arg Leu Arg Ser Leu
1 5 10

<210> 1432
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peptide

<400> 1432
Leu Pro His His Arg Arg Thr Arg Ser Cys
1 5 10

<210> 1433
<211> 9
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peptide

<400> 1433
Leu Pro Leu Gly Asn His Pro Tyr Leu
1 5

<210> 1434
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<400> 1434
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1 5

<210> 1435
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<220>
<223> Description of Artificial Sequence: Synthetic
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<400> 1435
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1 5

<210> 1436
<211> 10
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<220>
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<400> 1436
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1 5 10

<210> 1437
<211> 9
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<220>
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<400> 1437
Arg Leu His Ala Ser Pro His His Leu
1 5

<210> 1438
<211> 10
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1438
Arg Leu His Ala Ser Pro His His Leu Arg
1 5 10

<210> 1439
<211> 9
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<220>
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<400> 1439

Arg Leu Arg Asp His Ile Cys Pro Leu
1 5

<210> 1440
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<220>
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1 5

<210> 1441
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<220>
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Arg Leu Arg Asn Leu Pro Cys Pro His Arg
1 5 10

<210> 1442
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<220>
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Arg Leu Arg Ser His Thr Cys Pro Pro
1 5

<210> 1443
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<220>
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1 5

<210> 1444
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<220>
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1 5 10

<210> 1445
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<220>
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1 5

<210> 1446
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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1 5

<210> 1447
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<220>
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1 5

<210> 1448
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<220>
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Arg Pro Leu His Leu Arg Leu His Ala Ser
1 5 10

<210> 1449
<211> 10
<212> PRT
<213> Artificial Sequence

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

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Arg Ser His Ala Cys Pro Pro Gly Leu Arg
1 5 10

<210> 1450
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1450
Arg Ser His Ala Cys Pro Pro Asn Leu Arg
1 5 10

<210> 1451
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1451
Arg Ser His Ala Tyr Ala Leu Cys Leu Arg
1 5 10

<210> 1452
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<212> PRT
<213> Artificial Sequence

<220>
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Arg Ser His Pro Cys Cys His Tyr Leu Arg
1 5 10

<210> 1453
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<213> Artificial Sequence

<220>
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peptide

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Arg Ser His Pro Cys Pro Leu Gly Leu Lys
1 5 10

<210> 1454
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<220>
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peptide

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Arg Ser His Thr Cys Pro Pro Ser Leu Arg
1 5 10

<210> 1455
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<220>
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peptide

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Arg Ser Leu Pro Arg Pro Leu His Leu Arg
1 5 10

<210> 1456
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<220>
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peptide

<400> 1456
Arg Ser Arg Thr Cys Leu Leu Cys Leu
1 5

<210> 1457
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<220>
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peptide

<400> 1457
Arg Ser Arg Thr Cys Leu Leu Cys Leu Arg
1 5 10

<210> 1458
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<212> PRT
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<220>
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peptide

<400> 1458
Arg Ser Arg Thr Cys Pro Pro Gly Leu
1 5

<210> 1459
<211> 10
<212> PRT
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<220>
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peptide

<400> 1459
Arg Ser Arg Thr Cys Pro Pro Gly Leu Arg
1 5 10

<210> 1460
<211> 10
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1460
Arg Thr His Leu Leu Pro His His Arg Arg
1 5 10

<210> 1461
<211> 10
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<220>
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peptide

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Arg Thr Arg Ser Cys Pro Cys Arg Trp Arg
1 5 10

<210> 1462
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1462
Arg Tyr Arg Ala Tyr Pro Pro Cys Leu
1 5

<210> 1463
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1463
Arg Tyr Arg Ala Tyr Pro Pro Cys Leu Trp
1 5 10

<210> 1464
<211> 9
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<213> Artificial Sequence

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

<400> 1464
Ser Leu Gly Asn His Leu Cys Pro Leu
1 5

<210> 1465
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1465
Ser Leu Pro Leu Gly Asn His Pro Tyr Leu
1 5 10

<210> 1466
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1466
Ser Leu Pro Arg Pro Leu His Leu Arg Leu
1 5 10

<210> 1467
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1467
Ser Leu Arg Asn Cys Thr Cys Pro Pro Arg
1 5 10

<210> 1468
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1468

Ser Leu Arg Ser His Ala Tyr Ala Leu
1 5

<210> 1469
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1469
Ser Leu Arg Ser His Pro Cys Pro Leu
1 5

<210> 1470
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1470
Ser Pro His His Leu Arg Thr Pro Pro
1 5

<210> 1471
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1471
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1 5 10

<210> 1472
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1472
Ser Pro Leu Arg Ser Gln Ala Asn Ala Leu
1 5 10

<210> 1473
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1473
Tyr Leu Arg Arg Leu Arg Ser His Thr Cys
1 5 10

<210> 1474
<211> 9
<212> PRT
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<220>
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<400> 1474
Tyr Leu Arg Ser Arg Asn Ser Ala Pro
1 5

<210> 1475
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1475
Tyr Leu Arg Ser Arg Asn Ser Ala Pro Gly
1 5 10

<210> 1476
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1476
Ala Leu Ala Pro Thr Leu Thr His Met
1 5

<210> 1477
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1477
Ala Leu Ala Pro Thr Leu Thr His Met Leu
1 5 10

<210> 1478
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1478
Leu Leu Gln Val Thr Gln Thr Ser Phe Ala
1 5 10

<210> 1479
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1479
Leu Gln Val Thr Gln Thr Ser Phe Ala Leu
1 5 10

<210> 1480
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1480
Arg Leu Trp His Leu Leu Leu Gln Val
1 5

<210> 1481
<211> 10

<212> PRT
<213> Artificial Sequence

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

<400> 1481
Arg Leu Trp His Leu Leu Leu Gln Val Thr
1 5 10

<210> 1482
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1482
Cys Thr Gln Leu Ala Arg Phe Phe Pro Ile
1 5 10

<210> 1483
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1483
Phe Phe Pro Ile Thr Pro Pro Val Trp
1 5

<210> 1484
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1484
Phe Pro Ile Thr Pro Pro Val Trp His Ile
1 5 10

<210> 1485
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1485
Gly Pro Arg Met Gln Leu Cys Thr Gln Leu
1 5 10

<210> 1486
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1486
Ile Thr Pro Pro Val Trp His Ile Leu
1 5

<210> 1487
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1487
Leu Ala Leu Gly Pro Arg Met Gln Leu
1 5

<210> 1488
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1488
Met Gln Leu Cys Thr Gln Leu Ala Arg Phe
1 5 10

<210> 1489
<211> 9
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1489
Arg Phe Phe Pro Ile Thr Pro Pro Val
1 5

<210> 1490
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1490
Arg Phe Phe Pro Ile Thr Pro Pro Val Trp
1 5 10

<210> 1491
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1491
Arg Met Gln Leu Cys Thr Gln Leu Ala
1 5

<210> 1492
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1492
Arg Met Gln Leu Cys Thr Gln Leu Ala Arg
1 5 10

<210> 1493
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1493
Ser Pro Pro Leu Ala Leu Gly Pro Arg Met
1 5 10

<210> 1494
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1494
Thr Gln Leu Ala Arg Phe Phe Pro Ile
1 5

<210> 1495
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1495
Lys Ser Arg Gln Asn His Leu Gln Leu
1 5

<210> 1496
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1496
Ala Leu Lys Lys Leu Arg Ser Pro Leu
1 5

<210> 1497
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1497

His Leu Gln Leu Lys Ser Cys Arg Arg Lys
1 5 10

<210> 1498
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1498
Lys Ile Ser Asn Trp Ser Leu Lys Lys
1 5

<210> 1499
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1499
Lys Ile Ser Asn Trp Ser Leu Lys Lys Val
1 5 10

<210> 1500
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1500
Lys Leu Arg Ser Pro Leu Trp Ile Phe
1 5

<210> 1501
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1501
Lys Ser Arg Gln Asn His Leu Gln Leu Lys
1 5 10

<210> 1502
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1502
Asn Trp Ser Leu Lys Lys Val Pro Ala Leu
1 5 10

<210> 1503
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1503
Ser Leu Lys Lys Val Pro Ala Leu Lys
1 5

<210> 1504
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1504
Ser Leu Lys Lys Val Pro Ala Leu Lys Lys
1 5 10

<210> 1505
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1505
Ser Gln Lys Ser Arg Gln Asn His Leu
1 5

<210> 1506
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1506
Trp Ser Leu Lys Lys Val Pro Ala Leu
1 5

<210> 1507
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1507
Trp Ser Leu Lys Lys Val Pro Ala Leu Lys
1 5 10

<210> 1508
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1508
Lys Leu Pro Glu Cys Gln Arg Leu Leu
1 5

<210> 1509
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1509
Lys Pro Thr Arg Ala Ala Thr Val Ser Val
1 5 10

<210> 1510
<211> 10

<212> PRT
<213> Artificial Sequence

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

<400> 1510
Leu Pro Pro Trp Pro Leu His Gln Gln Leu
1 5 10

<210> 1511
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1511
Leu Pro Arg Lys Pro Thr Arg Ala Ala
1 5

<210> 1512
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1512
Leu Pro Arg Lys Pro Thr Arg Ala Ala Thr
1 5 10

<210> 1513
<211> 9
<212> PRT
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<220>
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<400> 1513
Gln Gln Leu Leu His Arg Arg Pro Leu
1 5

<210> 1514
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1514
Arg Leu Leu Pro Pro Trp Pro Leu His
1 5

<210> 1515
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1515
Ala Pro Ala Ser Ala Pro Trp Pro Ser Thr
1 5 10

<210> 1516
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1516
Ala Pro Trp Pro Ser Thr Ser Ser His
1 5

<210> 1517
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1517
Arg Pro Ala Pro Ala Ser Ala Pro Trp
1 5

<210> 1518
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1518
Trp Pro Ser Thr Ser Ser His Ser Thr
1 5

<210> 1519
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1519
Arg Val Gln Asn Gln Gly His Leu Leu
1 5

<210> 1520
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1520
Phe Leu Pro Ile Ser His Cys Gln Cys Ile
1 5 10

<210> 1521
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1521
Phe Trp Leu Thr Lys Leu Asn Tyr Leu
1 5

<210> 1522
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1522
His Leu Ser Met Leu Thr Asp Ser Leu
1 5

<210> 1523
<211> 9
<212> PRT
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<220>
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<400> 1523
His Thr Met Gly Phe Trp Leu Thr Lys
1 5

<210> 1524
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1524
His Thr Met Gly Phe Trp Leu Thr Lys Leu
1 5 10

<210> 1525
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1525
Lys Leu Asn Tyr Leu Cys His Leu Ser Met
1 5 10

<210> 1526
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1526

Leu Pro Ile Ser His Cys Gln Cys Ile
1 5

<210> 1527
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1527
Leu Pro Ile Ser His Cys Gln Cys Ile Leu
1 5 10

<210> 1528
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1528
Leu Thr Asp Ser Leu Phe Leu Pro Ile
1 5

<210> 1529
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1529
Leu Thr Lys Leu Asn Tyr Leu Cys His Leu
1 5 10

<210> 1530
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1530
Met Leu Thr Asp Ser Leu Phe Leu Pro Ile
1 5 10

<210> 1531
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1531
Met Gln Gly His Thr Met Gly Phe Trp Leu
1 5 10

<210> 1532
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1532
Asn Tyr Leu Cys His Leu Ser Met Leu
1 5

<210> 1533
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1533
Ser Met Leu Thr Asp Ser Leu Phe Leu
1 5

<210> 1534
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1534
Thr Met Gly Phe Trp Leu Thr Lys Leu
1 5

<210> 1535
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1535
Tyr Leu Cys His Leu Ser Met Leu Thr
1 5

<210> 1536
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1536
Ile Leu Asp Glu Ala Tyr Val Met Ala Tyr
1 5 10

<210> 1537
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1537
Val Met Ala Tyr Val Met Ala Gly Val
1 5

<210> 1538
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1538
Tyr Val Met Ala Tyr Val Met Ala Gly
1 5

<210> 1539
<211> 10

<212> PRT
<213> Artificial Sequence

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

<400> 1539
Tyr Val Met Ala Tyr Val Met Ala Gly Val
1 5 10

<210> 1540
<211> 62
<212> PRT
<213> Artificial Sequence

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

<400> 1540
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu
50 55 60

<210> 1541
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1541
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 1542
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1542
Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 1543
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1543
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 1544
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1544
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 1545
<211> 62
<212> PRT
<213> Artificial Sequence

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

<400> 1545
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu
50 55 60

<210> 1546
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1546
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 1547
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1547
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 1548
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1548
Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 1549
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1549
Leu Val Val Val Gly Ala Asp Gly Val
1 5

<210> 1550
<211> 62
<212> PRT
<213> Artificial Sequence

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

<400> 1550
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu
50 55 60

<210> 1551
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1551
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 1552
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1552
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 1553
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 1553
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 1554
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1554
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 1555
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1555
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly His Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
50 55 60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Thr Lys Ser Phe
65 70 75 80

Glu Asp Ile His His Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
85 90 95

Glu Asp Val Pro Met
100

<210> 1556
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1556
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1557
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1557
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly Leu Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
50 55 60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Thr Lys Ser Phe
65 70 75 80

Glu Asp Ile His His Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
85 90 95

Glu Asp Val Pro Met
100

<210> 1558
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1558
Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1559
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1559
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 1560
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1560
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly Lys Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
50 55 60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Ser Lys Ser Phe
65 70 75 80

Ala Asp Ile Asn Leu Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
85 90 95

Asp Asp Val Pro Met
100

<210> 1561
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1561
Ile Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5 10

<210> 1562
<211> 101
<212> PRT
<213> Artificial Sequence

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

<400> 1562
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly Arg Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
50 55 60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Ser Lys Ser Phe
65 70 75 80

Ala Asp Ile Asn Leu Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
85 90 95

Asp Asp Val Pro Met
100

<210> 1563
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1563
Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 1564
<211> 64
<212> PRT
<213> Artificial Sequence

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

<400> 1564
Met Ala Leu Asn Ser Glu Ala Leu Ser Val Val Ser Glu Asp Gln Ser
1 5 10 15

Leu Phe Glu Cys Ala Tyr Gly Thr Pro His Leu Ala Lys Thr Glu Met
20 25 30

Thr Ala Ser Ser Ser Ser Asp Tyr Gly Gln Thr Ser Lys Met Ser Pro
35 40 45

Arg Val Pro Gln Gln Asp Trp Ala Leu Asn Ser Glu Ala Leu Ser Val
50 55 60

<210> 1565
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1565
Ala Leu Asn Ser Glu Ala Leu Ser Val Val
1 5 10

<210> 1566
<211> 10

<212> PRT
<213> Artificial Sequence

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

<400> 1566
Met Ala Leu Asn Ser Glu Ala Leu Ser Val
1 5 10

<210> 1567
<211> 23
<212> PRT
<213> Artificial Sequence

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

<400> 1567
Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly His Glu Glu Tyr Ser
1 5 10 15

Ala Met Arg Asp Gln Tyr Met
20

<210> 1568
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1568
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1569
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1569
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1570
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1570
Asp Thr Ala Gly His Glu Glu Tyr Ser Ala Met
1 5 10

<210> 1571
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1571
Asp Thr Ala Gly His Glu Glu Tyr Ser Ala Met
1 5 10

<210> 1572
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1572
Gly His Glu Glu Tyr Ser Ala Met
1 5

<210> 1573
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1573
Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1574
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 1574
Ile Leu Asp Thr Ala Gly His Glu Glu
1 5

<210> 1575
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1575
Ala Gly His Glu Glu Tyr Ser Ala Met
1 5

<210> 1576
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1576
Ala Gly His Glu Glu Tyr Ser Ala Met
1 5

<210> 1577
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1577
Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1578
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1578
Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1579
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1579
Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1580
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1580
Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1581
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1581
Ile Leu Asp Thr Ala Gly His Glu Glu
1 5

<210> 1582
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1582
Ile Leu Asp Thr Ala Gly His Glu Glu
1 5

<210> 1583
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1583
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1584
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1584
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1585
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1585
His Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 1586
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1586
Thr Ala Gly His Glu Glu Tyr Ser Ala
1 5

<210> 1587
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1587
Asp Thr Ala Gly His Glu Glu Tyr Ser
1 5

<210> 1588
<211> 12
<212> PRT
<213> Artificial Sequence

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

<400> 1588
Asp Thr Ala Gly His Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 1589
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1589
Gly His Glu Glu Tyr Ser Ala Met
1 5

<210> 1590
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1590

Ile Leu Asp Thr Ala Gly His Glu Glu
1 5

<210> 1591
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1591
Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1592
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1592
His Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 1593
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1593
Ile Leu Asp Thr Ala Gly His Glu Glu
1 5

<210> 1594
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1594
Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1595
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1595
Leu Leu Asp Ile Leu Asp Thr Ala Gly His
1 5 10

<210> 1596
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1596
Thr Ala Gly His Glu Glu Tyr Ser Ala Met
1 5 10

<210> 1597
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1597
Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1598
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1598
Asp Ile Leu Asp Thr Ala Gly His Glu
1 5

<210> 1599
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1599
Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1600
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1600
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1601
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1601
Ala Gly His Glu Glu Tyr Ser Ala Met
1 5

<210> 1602
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1602
Asp Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1603
<211> 8

<212> PRT
<213> Artificial Sequence

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

<400> 1603
Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1604
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1604
Ile Leu Asp Thr Ala Gly His Glu Glu
1 5

<210> 1605
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1605
Asp Ile Leu Asp Thr Ala Gly His
1 5

<210> 1606
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1606
Ile Leu Asp Thr Ala Gly His Glu Glu
1 5

<210> 1607
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1607
Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1608
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1608
Ile Leu Asp Thr Ala Gly His Glu
1 5

<210> 1609
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1609
Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1610
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1610
Ala Gly His Glu Glu Tyr Ser Ala Met
1 5

<210> 1611
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1611
Asp Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1612
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1612
Asp Thr Ala Gly His Glu Glu Tyr Ser
1 5

<210> 1613
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1613
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1614
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1614
Asp Thr Ala Gly His Glu Glu Tyr Ser Ala
1 5 10

<210> 1615
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1615
Ile Leu Asp Thr Ala Gly His Glu
1 5

<210> 1616
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1616
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1617
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1617
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 1618
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1618
Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 1619
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1619

Ala Gly His Glu Glu Tyr Ser Ala Met
1 5

<210> 1620
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1620
Ala Gly His Glu Glu Tyr Ser Ala Met
1 5

<210> 1621
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1621
Leu Leu Asp Ile Leu Asp Thr Ala Gly His
1 5 10

<210> 1622
<211> 23
<212> PRT
<213> Artificial Sequence

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

<400> 1622
Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr Ser
1 5 10 15

Ala Met Arg Asp Gln Tyr Met
20

<210> 1623
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1623
Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 1624
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1624
Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 1625
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1625
Asp Thr Ala Gly Arg Glu Glu Tyr Ser Ala Met
1 5 10

<210> 1626
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1626
Asp Ile Leu Asp Thr Ala Gly Arg
1 5

<210> 1627
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1627

Asp Ile Leu Asp Thr Ala Gly Arg
1 5

<210> 1628
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1628
Asp Thr Ala Gly Arg Glu Glu Tyr
1 5

<210> 1629
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1629
Asp Thr Ala Gly Arg Glu Glu Tyr Ser Ala Met
1 5 10

<210> 1630
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1630
Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Arg
1 5 10

<210> 1631
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1631
Asp Thr Ala Gly Arg Glu Glu Tyr
1 5

<210> 1632
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1632
Arg Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 1633
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1633
Gly Arg Glu Glu Tyr Ser Ala Met Arg
1 5

<210> 1634
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1634
Ile Leu Asp Thr Ala Gly Arg Glu Glu
1 5

<210> 1635
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1635
Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 1636
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1636
Arg Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 1637
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1637
Ala Gly Arg Glu Glu Tyr Ser Ala Met
1 5

<210> 1638
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1638
Asp Thr Ala Gly Arg Glu Glu Tyr
1 5

<210> 1639
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1639
Asp Thr Ala Gly Arg Glu Glu Tyr
1 5

<210> 1640
<211> 8

<212> PRT
<213> Artificial Sequence

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

<400> 1640
Asp Thr Ala Gly Arg Glu Glu Tyr
1 5

<210> 1641
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1641
Asp Ile Leu Asp Thr Ala Gly Arg
1 5

<210> 1642
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1642
Asp Ile Leu Asp Thr Ala Gly Arg Glu
1 5

<210> 1643
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1643
Ile Leu Asp Thr Ala Gly Arg Glu Glu
1 5

<210> 1644
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1644
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1 5

<210> 1645
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<220>
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Gly Arg Glu Glu Tyr Ser Ala Met
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<210> 1646
<211> 9
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<220>
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<400> 1646
Ala Gly Arg Glu Glu Tyr Ser Ala Met
1 5

<210> 1647
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<220>
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Gly Arg Glu Glu Tyr Ser Ala Met
1 5

<210> 1648
<211> 9
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<220>

<223> Description of Artificial Sequence: Synthetic
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Ile Leu Asp Thr Ala Gly Arg Glu Glu
1 5

<210> 1649
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<220>
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<400> 1649
Thr Ala Gly Arg Glu Glu Tyr Ser Ala
1 5

<210> 1650
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<220>
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<400> 1650
Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 1651
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<400> 1651
Asp Thr Ala Gly Arg Glu Glu Tyr Ser
1 5

<210> 1652
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<400> 1652
Ile Leu Asp Thr Ala Gly Arg Glu
1 5

<210> 1653
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Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Arg
1 5 10

<210> 1654
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<400> 1654
Asp Thr Ala Gly Arg Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 1655
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<400> 1655
Leu Leu Asp Ile Leu Asp Thr Ala Gly Arg
1 5 10

<210> 1656
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<220>
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<400> 1656

Asp Thr Ala Gly Arg Glu Glu Tyr
1 5

<210> 1657
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<220>
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<400> 1657
Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 1658
<211> 8
<212> PRT
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<220>
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<400> 1658
Asp Ile Leu Asp Thr Ala Gly Arg
1 5

<210> 1659
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<400> 1659
Ile Leu Asp Thr Ala Gly Arg Glu Glu
1 5

<210> 1660
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<220>
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<400> 1660
Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 1661
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<220>
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<400> 1661
Leu Leu Asp Ile Leu Asp Thr Ala Gly Arg
1 5 10

<210> 1662
<211> 10
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1 5 10

<210> 1663
<211> 11
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<400> 1663
Asp Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 1664
<211> 8
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1 5

<210> 1665
<211> 9
<212> PRT
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<220>
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1 5

<210> 1666
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<400> 1666
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1 5

<210> 1667
<211> 9
<212> PRT
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<400> 1667
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<210> 1668
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<220>
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<400> 1668
Ala Gly Arg Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 1669
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<212> PRT
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<220>
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peptide

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Ile Leu Asp Thr Ala Gly Arg Glu
1 5

<210> 1670
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peptide

<400> 1670
Leu Asp Ile Leu Asp Thr Ala Gly Arg
1 5

<210> 1671
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<220>
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peptide

<400> 1671
Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5

<210> 1672
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<220>
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peptide

<400> 1672
Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5

<210> 1673
<211> 9
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<220>
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<400> 1673
Arg Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 1674
<211> 11
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<220>
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<400> 1674
Arg Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr
1 5 10

<210> 1675
<211> 8
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<220>
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<400> 1675
Asp Thr Ala Gly Arg Glu Glu Tyr
1 5

<210> 1676
<211> 23
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<220>
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1 5 10 15

Ala Met Arg Asp Gln Tyr Met
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<210> 1677
<211> 10

<212> PRT
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<220>
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peptide

<400> 1677
Ile Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5 10

<210> 1678
<211> 10
<212> PRT
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<220>
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peptide

<400> 1678
Ile Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5 10

<210> 1679
<211> 11
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<220>
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peptide

<400> 1679
Asp Thr Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5 10

<210> 1680
<211> 11
<212> PRT
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<220>
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peptide

<400> 1680
Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Lys
1 5 10

<210> 1681
<211> 8
<212> PRT
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<220>
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peptide

<400> 1681
Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1682
<211> 8
<212> PRT
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<220>
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peptide

<400> 1682
Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1683
<211> 11
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<220>
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peptide

<400> 1683
Asp Thr Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5 10

<210> 1684
<211> 9
<212> PRT
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<220>
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peptide

<400> 1684
Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5

<210> 1685
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<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1685
Asp Ile Leu Asp Thr Ala Gly Lys Glu
1 5

<210> 1686
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1686
Lys Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 1687
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1687
Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1688
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1688
Gly Lys Glu Glu Tyr Ser Ala Met
1 5

<210> 1689
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1689
Ile Leu Asp Thr Ala Gly Lys Glu Glu
1 5

<210> 1690
<211> 10
<212> PRT
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<220>
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<400> 1690
Ile Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5 10

<210> 1691
<211> 9
<212> PRT
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<400> 1691
Asp Thr Ala Gly Lys Glu Glu Tyr Ser
1 5

<210> 1692
<211> 9
<212> PRT
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<220>
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<400> 1692
Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1693
<211> 9
<212> PRT
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<220>
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<400> 1693

Thr Ala Gly Lys Glu Glu Tyr Ser Ala
1 5

<210> 1694
<211> 8
<212> PRT
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<220>
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<400> 1694
Asp Ile Leu Asp Thr Ala Gly Lys
1 5

<210> 1695
<211> 8
<212> PRT
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<220>
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<400> 1695
Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1696
<211> 9
<212> PRT
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<220>
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<400> 1696
Lys Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 1697
<211> 9
<212> PRT
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<400> 1697
Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1698
<211> 12
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<220>
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<400> 1698
Asp Thr Ala Gly Lys Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 1699
<211> 9
<212> PRT
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<220>
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<400> 1699
Ile Leu Asp Thr Ala Gly Lys Glu Glu
1 5

<210> 1700
<211> 10
<212> PRT
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<220>
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<400> 1700
Ile Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5 10

<210> 1701
<211> 10
<212> PRT
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<220>
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<400> 1701
Leu Leu Asp Ile Leu Asp Thr Ala Gly Lys
1 5 10

<210> 1702
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1702
Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5

<210> 1703
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1703
Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1704
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1704
Asp Thr Ala Gly Lys Glu Glu Tyr Ser
1 5

<210> 1705
<211> 8
<212> PRT
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<220>
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<400> 1705
Ile Leu Asp Thr Ala Gly Lys Glu
1 5

<210> 1706
<211> 9

<212> PRT
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<220>
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<400> 1706
Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1707
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1707
Ala Gly Lys Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 1708
<211> 8
<212> PRT
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<220>
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<400> 1708
Asp Ile Leu Asp Thr Ala Gly Lys
1 5

<210> 1709
<211> 8
<212> PRT
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<220>
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<400> 1709
Ile Leu Asp Thr Ala Gly Lys Glu
1 5

<210> 1710
<211> 9
<212> PRT
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<220>
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peptide

<400> 1710
Ile Leu Asp Thr Ala Gly Lys Glu Glu
1 5

<210> 1711
<211> 9
<212> PRT
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<220>
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peptide

<400> 1711
Ile Leu Asp Thr Ala Gly Lys Glu Glu
1 5

<210> 1712
<211> 10
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<220>
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peptide

<400> 1712
Thr Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5 10

<210> 1713
<211> 9
<212> PRT
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<220>
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peptide

<400> 1713
Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5

<210> 1714
<211> 10
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<220>

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peptide

<400> 1714
Ile Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5 10

<210> 1715
<211> 9
<212> PRT
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<220>
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peptide

<400> 1715
Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1716
<211> 8
<212> PRT
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<220>
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peptide

<400> 1716
Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1717
<211> 10
<212> PRT
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<220>
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peptide

<400> 1717
Ile Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5 10

<210> 1718
<211> 9
<212> PRT
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<220>
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peptide

<400> 1718
Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5

<210> 1719
<211> 9
<212> PRT
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<220>
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<400> 1719
Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5

<210> 1720
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1720
Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1721
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1721
Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 1722
<211> 23
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1722

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

Ala Met Arg Asp Gln Tyr Met
20

<210> 1723
<211> 10
<212> PRT
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<220>
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<400> 1723
Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1724
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1724
Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1725
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1725
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 1726
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1726
Gly Leu Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr
1 5 10

<210> 1727
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1727
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1728
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1728
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1729
<211> 11
<212> PRT
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<220>
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<400> 1729
Asp Thr Ala Gly Leu Glu Glu Tyr Ser Ala Met
1 5 10

<210> 1730
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1730

Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1731
<211> 9
<212> PRT
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<220>
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<400> 1731
Ile Leu Asp Thr Ala Gly Leu Glu Glu
1 5

<210> 1732
<211> 9
<212> PRT
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<220>
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<400> 1732
Ile Leu Asp Thr Ala Gly Leu Glu Glu
1 5

<210> 1733
<211> 11
<212> PRT
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<220>
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<400> 1733
Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 1734
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1734
Ile Leu Asp Thr Ala Gly Leu Glu Glu
1 5

<210> 1735
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1735
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 1736
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1736
Asp Ile Leu Asp Thr Ala Gly Leu
1 5

<210> 1737
<211> 11
<212> PRT
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<220>
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<400> 1737
Asp Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1738
<211> 9
<212> PRT
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<220>
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<400> 1738
Asp Thr Ala Gly Leu Glu Glu Tyr Ser
1 5

<210> 1739
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1739
Asp Thr Ala Gly Leu Glu Glu Tyr Ser Ala Met
1 5 10

<210> 1740
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1740
Gly Leu Glu Glu Tyr Ser Ala Met Arg
1 5

<210> 1741
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1741
Ile Leu Asp Thr Ala Gly Leu Glu
1 5

<210> 1742
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1742
Asp Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1743
<211> 8

<212> PRT
<213> Artificial Sequence

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

<400> 1743
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1744
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1744
Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1745
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1745
Asp Ile Leu Asp Thr Ala Gly Leu
1 5

<210> 1746
<211> 8
<212> PRT
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<220>
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<400> 1746
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1747
<211> 9
<212> PRT
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<400> 1747
Ile Leu Asp Thr Ala Gly Leu Glu Glu
1 5

<210> 1748
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1748
Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1749
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1749
Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 1750
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1750
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1751
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1751
Ile Leu Asp Thr Ala Gly Leu Glu Glu
1 5

<210> 1752
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1752
Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1753
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1753
Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1754
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1754
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 1755
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1755
Asp Ile Leu Asp Thr Ala Gly Leu
1 5

<210> 1756
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1756
Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1757
<211> 8
<212> PRT
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<223> Description of Artificial Sequence: Synthetic peptide

<400> 1757
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1758
<211> 8
<212> PRT
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<220>
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<400> 1758
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1759
<211> 10
<212> PRT
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<220>
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<400> 1759

Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1760
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1760
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 1761
<211> 10
<212> PRT
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<220>
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<400> 1761
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 1762
<211> 12
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1762
Asp Thr Ala Gly Leu Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 1763
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1763
Ile Leu Asp Thr Ala Gly Leu Glu
1 5

<210> 1764
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1764
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 1765
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1765
Ala Gly Leu Glu Glu Tyr Ser Ala Met
1 5

<210> 1766
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1766
Asp Thr Ala Gly Leu Glu Glu Tyr Ser Ala
1 5 10

<210> 1767
<211> 12
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1767
Gly Leu Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr
1 5 10

<210> 1768
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1768
Ile Leu Asp Thr Ala Gly Leu Glu
1 5

<210> 1769
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1769
Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1770
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1770
Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5

<210> 1771
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1771
Ala Gly Leu Glu Glu Tyr Ser Ala Met
1 5

<210> 1772
<211> 9

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1772
Ala Gly Leu Glu Glu Tyr Ser Ala Met
1 5

<210> 1773
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1773
Ala Gly Leu Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 1774
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1774
Ile Leu Asp Thr Ala Gly Leu Glu Glu
1 5

<210> 1775
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1775
Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1776
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1776
Ala Gly Leu Glu Glu Tyr Ser Ala Met
1 5

<210> 1777
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1777
Gly Leu Glu Glu Tyr Ser Ala Met Arg
1 5

<210> 1778
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1778
Leu Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 1779
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1779
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu Glu
1 5 10

<210> 1780
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1780
Ala Gly Leu Glu Glu Tyr Ser Ala Met
1 5

<210> 1781
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1781
Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5

<210> 1782
<211> 9
<212> PRT
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<220>
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peptide

<400> 1782
Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1783
<211> 9
<212> PRT
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<220>
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peptide

<400> 1783
Asp Ile Leu Asp Thr Ala Gly Leu Glu
1 5

<210> 1784
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1784
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1785
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1785
Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1786
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1786
Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1787
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1787
Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1788
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1788

Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1789
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1789
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1790
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1790
Ile Leu Asp Thr Ala Gly Leu Glu
1 5

<210> 1791
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1791
Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 1792
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1792
Leu Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 1793
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1793
Thr Ala Gly Leu Glu Glu Tyr Ser Ala
1 5

<210> 1794
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1794
Asp Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 1795
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1795
Gly Leu Glu Glu Tyr Ser Ala Met
1 5

<210> 1796
<211> 23
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1796
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Ala Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu
20

<210> 1797
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1797
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1798
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1798
Val Val Val Gly Ala Ala Gly Val Gly Lys
1 5 10

<210> 1799
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1799
Val Val Gly Ala Ala Gly Val Gly Lys
1 5

<210> 1800
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1800
Thr Glu Tyr Lys Leu Val Val Val Gly Ala Ala
1 5 10

<210> 1801
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1801
Val Val Gly Ala Ala Gly Val Gly Lys
1 5

<210> 1802
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1802
Val Val Val Gly Ala Ala Gly Val Gly Lys
1 5 10

<210> 1803
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1803
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1804
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1804
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1805
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1805
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1806
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1806
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1807
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1807
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1808
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1808
Leu Val Val Val Gly Ala Ala Gly Val
1 5

<210> 1809
<211> 9

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1809
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1810
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1810
Val Val Val Gly Ala Ala Gly Val Gly Lys
1 5 10

<210> 1811
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1811
Val Val Gly Ala Ala Gly Val Gly Lys
1 5

<210> 1812
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1812
Thr Glu Tyr Lys Leu Val Val Val Gly Ala Ala
1 5 10

<210> 1813
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1813
Val Val Gly Ala Ala Gly Val Gly Lys
1 5

<210> 1814
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1814
Val Val Val Gly Ala Ala Gly Val Gly Lys
1 5 10

<210> 1815
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1815
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1816
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1816
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1817
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1817
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1818
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1818
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1819
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1819
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1820
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1820
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1821
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1821
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1822
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1822
Leu Val Val Val Gly Ala Ala Gly Val
1 5

<210> 1823
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1823
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1824
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1824
Val Val Gly Ala Ala Gly Val Gly Lys
1 5

<210> 1825
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1825

Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1826
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1826
Val Val Val Gly Ala Ala Gly Val Gly Lys
1 5 10

<210> 1827
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1827
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1828
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1828
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1829
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1829
Gly Ala Ala Gly Val Gly Lys Ser Ala
1 5

<210> 1830
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1830
Val Val Gly Ala Ala Gly Val Gly Lys
1 5

<210> 1831
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1831
Gly Ala Ala Gly Val Gly Lys Ser Ala
1 5

<210> 1832
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1832
Lys Leu Val Val Val Gly Ala Ala Gly Val
1 5 10

<210> 1833
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1833
Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1834
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1834
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1835
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1835
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1836
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1836
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1837
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1837
Val Val Val Gly Ala Ala Gly Val
1 5

<210> 1838
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 1838
Tyr Lys Leu Val Val Val Gly Ala Ala
1 5

<210> 1839
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1839
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1840
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1840
Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1841
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1841
Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1842
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1842
Val Val Val Gly Ala Ala Gly Val Gly Lys
1 5 10

<210> 1843
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1843
Ala Ala Gly Val Gly Lys Ser Ala
1 5

<210> 1844
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1844
Lys Leu Val Val Val Gly Ala Ala Gly Val
1 5 10

<210> 1845
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1845
Tyr Lys Leu Val Val Val Gly Ala Ala
1 5

<210> 1846
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1846
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1847
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1847
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1848
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1848
Val Val Gly Ala Ala Gly Val Gly Lys
1 5

<210> 1849
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1849
Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1850
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1850
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1851
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1851
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1852
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1852
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1853
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1853
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1854
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1854

Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1855
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1855
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1856
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1856
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1857
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1857
Gly Ala Ala Gly Val Gly Lys Ser Ala
1 5

<210> 1858
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1858
Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1859
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1859
Gly Ala Ala Gly Val Gly Lys Ser Ala
1 5

<210> 1860
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1860
Leu Val Val Val Gly Ala Ala Gly Val
1 5

<210> 1861
<211> 11
<212> PRT
<213> Artificial Sequence

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

<400> 1861
Thr Glu Tyr Lys Leu Val Val Val Gly Ala Ala
1 5 10

<210> 1862
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1862
Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1863
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1863
Gly Ala Ala Gly Val Gly Lys Ser Ala
1 5

<210> 1864
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1864
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1865
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1865
Val Gly Ala Ala Gly Val Gly Lys Ser Ala
1 5 10

<210> 1866
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1866
Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1867
<211> 10

<212> PRT
<213> Artificial Sequence

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

<400> 1867
Ala Gly Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 1868
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1868
Val Val Val Gly Ala Ala Gly Val
1 5

<210> 1869
<211> 23
<212> PRT
<213> Artificial Sequence

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

<400> 1869
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu
20

<210> 1870
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1870
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 1871
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1871
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 1872
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1872
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 1873
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1873
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 1874
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1874
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 1875
<211> 10

<212> PRT
<213> Artificial Sequence

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

<400> 1875
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 1876
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1876
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 1877
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1877
Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1878
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1878
Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1879
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1879
Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1880
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1880
Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1881
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1881
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 1882
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1882
Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1883
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1883
Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1884
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1884
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 1885
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1885
Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1886
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1886
Gly Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1887
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1887
Gly Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1888
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1888
Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1889
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1889
Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1890
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1890
Tyr Lys Leu Val Val Val Gly Ala Cys
1 5

<210> 1891
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1891

Tyr Lys Leu Val Val Val Gly Ala Cys
1 5

<210> 1892
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1892
Gly Ala Cys Gly Val Gly Lys Ser Ala
1 5

<210> 1893
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1893
Gly Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1894
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1894
Gly Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1895
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1895
Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 1896
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1896
Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1897
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1897
Gly Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1898
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1898
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 1899
<211> 23
<212> PRT
<213> Artificial Sequence

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

<400> 1899
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu
            20

<210> 1900
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1900
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1   5   10

<210> 1901
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1901
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1   5   10

<210> 1902
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1902
Val Val Val Gly Ala Asp Gly Val Gly Lys
1   5   10

<210> 1903
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1903
Asp Gly Val Gly Lys Ser Ala Leu
1   5

<210> 1904
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1904
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 1905
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1905
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 1906
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1906
Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1907
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1907
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 1908
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1908
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1909
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1909
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 1910
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1910
Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1911
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1911
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1912
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 1912
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 1913
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1913
Gly Ala Asp Gly Val Gly Lys Ser Ala
1 5

<210> 1914
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1914
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1915
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1915
Gly Ala Asp Gly Val Gly Lys Ser
1 5

<210> 1916
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1916
Gly Ala Asp Gly Val Gly Lys Ser Ala
1 5

<210> 1917
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1917
Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1918
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1918
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 1919
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1919
Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1920
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1920
Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1921
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1921
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1922
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1922
Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1923
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1923
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1924
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1924
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 1925
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1925
Gly Ala Asp Gly Val Gly Lys Ser Ala
1 5

<210> 1926
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1926
Gly Ala Asp Gly Val Gly Lys Ser Ala
1 5

<210> 1927
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1927
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1928
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1928

Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 1929
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1929
Leu Val Val Val Gly Ala Asp Gly Val
1 5

<210> 1930
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1930
Val Gly Ala Asp Gly Val Gly Lys Ser Ala
1 5 10

<210> 1931
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1931
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 1932
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1932
Gly Ala Asp Gly Val Gly Lys Ser Ala
1 5

<210> 1933
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1933
Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 1934
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1934
Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 1935
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1935
Tyr Lys Leu Val Val Val Gly Ala Asp
1 5

<210> 1936
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1936
Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1937
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1937
Asp Gly Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 1938
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1938
Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 1939
<211> 23
<212> PRT
<213> Artificial Sequence

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

<400> 1939
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Arg Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu
20

<210> 1940
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1940
Val Val Gly Ala Arg Gly Val Gly Lys
1 5

<210> 1941
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1941
Val Val Val Gly Ala Arg Gly Val Gly Lys
1 5 10

<210> 1942
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1942
Gly Ala Arg Gly Val Gly Lys Ser Ala
1 5

<210> 1943
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1943
Ala Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1944
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1944
Gly Ala Arg Gly Val Gly Lys Ser Ala
1 5

<210> 1945
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1945
Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1946
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1946
Val Val Gly Ala Arg Gly Val Gly Lys
1 5

<210> 1947
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1947
Ala Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1948
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1948
Ala Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1949
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 1949
Val Val Gly Ala Arg Gly Val Gly Lys
1 5

<210> 1950
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1950
Val Val Val Gly Ala Arg Gly Val Gly Lys
1 5 10

<210> 1951
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1951
Gly Ala Arg Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1952
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1952
Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1953
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1953
Arg Gly Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 1954
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1954
Ala Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1955
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1955
Gly Ala Arg Gly Val Gly Lys Ser Ala
1 5

<210> 1956
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1956
Gly Ala Arg Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1957
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1957
Val Val Val Gly Ala Arg Gly Val Gly Lys
1 5 10

<210> 1958
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1958
Gly Ala Arg Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1959
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1959
Leu Val Val Val Gly Ala Arg Gly Val
1 5

<210> 1960
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1960
Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1961
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1961
Val Val Gly Ala Arg Gly Val Gly Lys
1 5

<210> 1962
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1962
Lys Leu Val Val Val Gly Ala Arg Gly Val
1 5 10

<210> 1963
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1963
Leu Val Val Val Gly Ala Arg Gly Val
1 5

<210> 1964
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1964
Tyr Lys Leu Val Val Val Gly Ala Arg
1 5

<210> 1965
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1965

Lys Leu Val Val Val Gly Ala Arg
1 5

<210> 1966
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1966
Lys Leu Val Val Val Gly Ala Arg Gly Val
1 5 10

<210> 1967
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1967
Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1968
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1968
Leu Val Val Val Gly Ala Arg Gly Val
1 5

<210> 1969
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1969
Val Val Val Gly Ala Arg Gly Val
1 5

<210> 1970
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1970
Ala Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1971
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1971
Ala Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1972
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1972
Gly Ala Arg Gly Val Gly Lys Ser Ala
1 5

<210> 1973
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1973
Val Val Val Gly Ala Arg Gly Val
1 5

<210> 1974
<211> 23
<212> PRT
<213> Artificial Sequence

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

<400> 1974
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Ser Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu
20

<210> 1975
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1975
Val Val Val Gly Ala Ser Gly Val Gly Lys
1 5 10

<210> 1976
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1976
Val Val Gly Ala Ser Gly Val Gly Lys
1 5

<210> 1977
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1977
Val Val Gly Ala Ser Gly Val Gly Lys
1 5

<210> 1978
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1978
Val Val Val Gly Ala Ser Gly Val Gly Lys
1 5 10

<210> 1979
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1979
Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1980
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1980
Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1981
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1981
Val Val Gly Ala Ser Gly Val Gly Lys
1 5

<210> 1982
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1982
Val Val Val Gly Ala Ser Gly Val Gly Lys
1 5 10

<210> 1983
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1983
Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1984
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1984
Gly Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1985
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 1985
Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1986
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 1986
Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1987
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 1987
Gly Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 1988
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 1988
Ser Gly Val Gly Lys Ser Ala Leu
1 5

<210> 1989
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Gly Ala Ser Gly Val Gly Lys Ser Ala Leu
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Ser Gly Val Gly Lys Ser Ala Leu
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Gly Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5 10

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Gly Ala Ser Gly Val Gly Lys Ser Ala Leu
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Gly Ala Ser Gly Val Gly Lys Ser Ala Leu
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<400> 2015
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<400> 2016
Ala Ser Gly Val Gly Lys Ser Ala Leu
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<400> 2018
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<400> 2019
Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5

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<400> 2020
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<220>
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Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Val Gly Val Gly Lys
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Ser Ala Leu Thr Ile Gln Leu
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<400> 2022
Val Val Gly Ala Val Gly Val Gly Lys
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<212> PRT
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Val Val Gly Ala Val Gly Val Gly Lys
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<220>
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<400> 2024
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

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<220>
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Val Val Val Gly Ala Val Gly Val Gly Lys
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Val Val Gly Ala Val Gly Val Gly Lys
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Leu Val Val Val Gly Ala Val Gly Val
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Val Val Gly Ala Val Gly Val Gly Lys
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<400> 2030
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1 5 10

<210> 2031
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<400> 2031
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1 5

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<400> 2032
Gly Ala Val Gly Val Gly Lys Ser Ala Leu
1 5 10

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<400> 2033
Gly Ala Val Gly Val Gly Lys Ser Ala Leu
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<400> 2034
Val Val Val Gly Ala Val Gly Val Gly Lys
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<400> 2035
Ala Val Gly Val Gly Lys Ser Ala Leu
1 5

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<400> 2036
Gly Ala Val Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2037
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<400> 2037
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1 5 10

<210> 2038
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<400> 2038
Val Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2039
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<400> 2039

Val Val Val Gly Ala Val Gly Val
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<210> 2040
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<400> 2040
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1 5

<210> 2041
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<400> 2041
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1 5

<210> 2042
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<400> 2042
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1 5 10

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<210> 2044
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1 5

<210> 2045
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<212> PRT
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<210> 2046
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1 5 10

<210> 2047
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<400> 2047
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1 5 10

<210> 2048
<211> 10
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1 5 10

<210> 2049
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<400> 2049
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<210> 2050
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<210> 2051
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1 5

<210> 2052
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<212> PRT
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<400> 2052
Val Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2053
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<400> 2053
Val Gly Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 2054
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<400> 2054
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1 5

<210> 2055
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<400> 2055
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<210> 2057
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1 5

<210> 2058
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1 5

<210> 2059
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<210> 2060
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<400> 2060
Val Gly Val Gly Lys Ser Ala Leu
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<210> 2061
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<400> 2061
Val Val Gly Ala Val Gly Val Gly Lys
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<210> 2062
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<400> 2062
Ala Val Gly Val Gly Lys Ser Ala Leu
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<210> 2063
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<400> 2063
Ala Val Gly Val Gly Lys Ser Ala Leu
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<210> 2064
<211> 9
<212> PRT
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<400> 2064
Gly Ala Val Gly Val Gly Lys Ser Ala
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<210> 2065
<211> 10
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<400> 2065
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 2066
<211> 9
<212> PRT
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<400> 2066
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 2067
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<400> 2067
Val Gly Val Gly Lys Ser Ala Leu
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<210> 2068
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<400> 2068

Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2069
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<400> 2069
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2070
<211> 8
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<400> 2070
Val Val Val Gly Ala Val Gly Val
1 5

<210> 2071
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<212> PRT
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<400> 2071
Ala Val Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2072
<211> 9
<212> PRT
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<400> 2072
Ala Val Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2073
<211> 9
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<400> 2073
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 2074
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<212> PRT
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<400> 2074
Ala Val Gly Val Gly Lys Ser Ala
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<210> 2075
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<212> PRT
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<400> 2075
Ala Val Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2076
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<212> PRT
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<400> 2076
Gly Ala Val Gly Val Gly Lys Ser Ala
1 5

<210> 2077
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<212> PRT
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<400> 2077
Gly Ala Val Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2078
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<212> PRT
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<400> 2078
Tyr Lys Leu Val Val Val Gly Ala Val
1 5

<210> 2079
<211> 10
<212> PRT
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<400> 2079
Gly Ala Val Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2080
<211> 9
<212> PRT
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<220>
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<400> 2080
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2081
<211> 9

<212> PRT
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<400> 2081
Tyr Lys Leu Val Val Val Gly Ala Val
1 5

<210> 2082
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<212> PRT
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peptide

<400> 2082
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Gly Cys Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu
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<210> 2083
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peptide

<400> 2083
Val Val Val Gly Ala Gly Cys Val Gly Lys
1 5 10

<210> 2084
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<220>
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peptide

<400> 2084
Val Val Gly Ala Gly Cys Val Gly Lys
1 5

<210> 2085
<211> 9
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<400> 2085
Ala Gly Cys Val Gly Lys Ser Ala Leu
1 5

<210> 2086
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<400> 2086
Val Val Gly Ala Gly Cys Val Gly Lys
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<210> 2087
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<400> 2087
Val Val Val Gly Ala Gly Cys Val Gly Lys
1 5 10

<210> 2088
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<212> PRT
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<400> 2088
Cys Val Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 2089
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<212> PRT
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peptide

<400> 2089
Val Val Gly Ala Gly Cys Val Gly Lys
1 5

<210> 2090
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<212> PRT
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peptide

<400> 2090
Val Val Gly Ala Gly Cys Val Gly Lys
1 5

<210> 2091
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<212> PRT
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peptide

<400> 2091
Ala Gly Cys Val Gly Lys Ser Ala Leu
1 5

<210> 2092
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peptide

<400> 2092
Ala Gly Cys Val Gly Lys Ser Ala Leu
1 5

<210> 2093
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<400> 2093
Gly Cys Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 2094
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<400> 2094
Ala Gly Cys Val Gly Lys Ser Ala Leu
1 5

<210> 2095
<211> 10
<212> PRT
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<400> 2095
Val Val Val Gly Ala Gly Cys Val Gly Lys
1 5 10

<210> 2096
<211> 9
<212> PRT
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<400> 2096
Lys Leu Val Val Val Gly Ala Gly Cys
1 5

<210> 2097
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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2097
Gly Cys Val Gly Lys Ser Ala Leu
1 5

<210> 2098
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peptide

<400> 2098
Val Val Gly Ala Gly Cys Val Gly Lys
1 5

<210> 2099
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peptide

<400> 2099
Ala Gly Cys Val Gly Lys Ser Ala Leu
1 5

<210> 2100
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<212> PRT
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peptide

<400> 2100
Lys Leu Val Val Val Gly Ala Gly Cys
1 5

<210> 2101
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<212> PRT
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<220>
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peptide

<400> 2101
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Gly Asp Val Gly Lys
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Ser Ala Leu Thr Ile Gln Leu
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      peptide

<400> 2102
Ala Gly Asp Val Gly Lys Ser Ala Leu
1   5

<210> 2103
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<220>
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<400> 2103
Ala Gly Asp Val Gly Lys Ser Ala Leu
1   5

<210> 2104
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 2104
Val Val Gly Ala Gly Asp Val Gly Lys
1   5

<210> 2105
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2105
Val Val Val Gly Ala Gly Asp Val Gly Lys
1 5 10

<210> 2106
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 2106
Val Val Val Gly Ala Gly Asp Val Gly Lys
1 5 10

<210> 2107
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2107
Gly Ala Gly Asp Val Gly Lys Ser Ala
1 5

<210> 2108
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 2108
Gly Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5 10

<210> 2109
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2109
Val Val Gly Ala Gly Asp Val Gly Lys
1 5

<210> 2110
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2110
Val Val Gly Ala Gly Asp Val Gly Lys
1 5

<210> 2111
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2111
Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2112
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2112
Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2113
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2113

Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2114
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2114
Asp Val Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 2115
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2115
Asp Val Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 2116
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2116
Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2117
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2117
Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2118
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 2118
Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2119
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2119
Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2120
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2120
Asp Val Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 2121
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2121
Val Val Gly Ala Gly Asp Val Gly Lys
1 5

<210> 2122
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 2122
Gly Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5 10

<210> 2123
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 2123
Gly Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5 10

<210> 2124
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2124
Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2125
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2125
Gly Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5 10

<210> 2126
<211> 9

<212> PRT
<213> Artificial Sequence

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

<400> 2126
Asp Val Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 2127
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2127
Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2128
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2128
Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2129
<211> 9
<212> PRT
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<220>
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peptide

<400> 2129
Asp Val Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 2130
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2130
Val Val Gly Ala Gly Asp Val Gly Lys
1 5

<210> 2131
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2131
Gly Ala Gly Asp Val Gly Lys Ser Ala
1 5

<210> 2132
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2132
Asp Val Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 2133
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 2133
Gly Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5 10

<210> 2134
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2134
Val Val Val Gly Ala Gly Asp Val Gly Lys
1 5 10

<210> 2135
<211> 64
<212> PRT
<213> Artificial Sequence

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

<400> 2135
Met Ala Leu Asn Ser Glu Ala Leu Ser Val Val Ser Glu Asp Gln Ser
1 5 10 15

Leu Phe Glu Cys Ala Tyr Gly Thr Pro His Leu Ala Lys Thr Glu Met
20 25 30

Thr Ala Ser Ser Ser Ser Asp Tyr Gly Gln Thr Ser Lys Met Ser Pro
35 40 45

Arg Val Pro Gln Gln Asp Trp Ala Leu Asn Ser Glu Ala Leu Ser Val
50 55 60

<210> 2136
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 2136
Ala Leu Asn Ser Glu Ala Leu Ser Val Val
1 5 10

<210> 2137
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 2137

Met Ala Leu Asn Ser Glu Ala Leu Ser Val
1 5 10

<210> 2138
<211> 62
<212> PRT
<213> Artificial Sequence

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

<400> 2138
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu
50 55 60

<210> 2139
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 2139
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2140
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2140
Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 2141
<211> 9
<212> PRT
<213> Artificial Sequence

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

<400> 2141
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 2142
<211> 10
<212> PRT
<213> Artificial Sequence

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

<400> 2142
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 2143
<211> 71
<212> PRT
<213> Artificial Sequence

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

<400> 2143
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu Val Val
50 55 60

Gly Ala Asp Gly Val Gly Lys
65 70

<210> 2144
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2144
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 2145
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2145
Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 2146
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2146
Leu Val Val Val Gly Ala Asp Gly Val
1 5

<210> 2147
<211> 62
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2147
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu
50 55 60

<210> 2148
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2148
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 2149
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2149
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 2150
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2150
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2151
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2151
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2152
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2152
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly His Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
50 55 60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Thr Lys Ser Phe
65 70 75 80

Glu Asp Ile His His Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
85 90 95

Glu Asp Val Pro Met
100

<210> 2153
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2153
Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 2154
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2154
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly Leu Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
50 55 60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Thr Lys Ser Phe
65 70 75 80

Glu Asp Ile His His Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
85 90 95

Glu Asp Val Pro Met
100

<210> 2155
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2155
Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 2156
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2156
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5 10

<210> 2157
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2157
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly Lys Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
50 55 60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Ser Lys Ser Phe
65 70 75 80

Ala Asp Ile Asn Leu Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
85 90 95

Asp Asp Val Pro Met
100

<210> 2158
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2158

Ile Leu Asp Thr Ala Gly Lys Glu Glu Tyr
1 5 10

<210> 2159
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 2159
Ala Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn
1 5 10 15

His Phe Val Asp Glu Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys
20 25 30

Gln Val Val Ile Asp Gly Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr
35 40 45

Ala Gly Arg Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr Met Arg Thr
50 55 60

Gly Glu Gly Phe Leu Cys Val Phe Ala Ile Asn Asn Ser Lys Ser Phe
65 70 75 80

Ala Asp Ile Asn Leu Tyr Arg Glu Gln Ile Lys Arg Val Lys Asp Ser
85 90 95

Asp Asp Val Pro Met
100

<210> 2160
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2160
Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 2161
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2161
Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 2162
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2162
Thr Ala Gly His Glu Glu Tyr Ser Ala Met
1 5 10

<210> 2163
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2163
Asp Ile Leu Asp Thr Ala Gly His Glu
1 5

<210> 2164
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2164
Asp Ile Leu Asp Thr Ala Gly His
1 5

<210> 2165
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2165
Ile Leu Asp Thr Ala Gly His Glu Glu
1 5

<210> 2166
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2166
Ile Leu Asp Thr Ala Gly His Glu
1 5

<210> 2167
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2167
Asp Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 2168
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2168
Asp Thr Ala Gly His Glu Glu Tyr Ser
1 5

<210> 2169
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2169
Leu Leu Asp Ile Leu Asp Thr Ala Gly His
1 5 10

<210> 2170
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2170
Asp Ile Leu Asp Thr Ala Gly Arg Glu
1 5

<210> 2171
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2171
Asp Ile Leu Asp Thr Ala Gly Arg
1 5

<210> 2172
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2172
Ile Leu Asp Thr Ala Gly Arg Glu Glu
1 5

<210> 2173
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2173
Ile Leu Asp Thr Ala Gly Arg Glu
1 5

<210> 2174
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2174
Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Arg
1 5 10

<210> 2175
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2175
Thr Ala Gly Arg Glu Glu Tyr Ser Ala Met
1 5 10

<210> 2176
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2176
Arg Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 2177
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2177

Asp Thr Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5 10

<210> 2178
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2178
Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Lys
1 5 10

<210> 2179
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2179
Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 2180
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2180
Leu Leu Asp Ile Leu Asp Thr Ala Gly Lys
1 5 10

<210> 2181
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2181
Ile Leu Asp Thr Ala Gly Lys Glu
1 5

<210> 2182
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2182
Ile Leu Asp Thr Ala Gly Lys Glu Glu
1 5

<210> 2183
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2183
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 2184
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2184
Ile Leu Asp Thr Ala Gly Leu Glu
1 5

<210> 2185
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2185
Asp Ile Leu Asp Thr Ala Gly Leu
1 5

<210> 2186
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2186
Ile Leu Asp Thr Ala Gly Leu Glu Glu
1 5

<210> 2187
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2187
Gly Leu Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr
1 5 10

<210> 2188
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2188
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu Glu
1 5 10

<210> 2189
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2189
Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5

<210> 2190
<211> 9

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2190
Asp Ile Leu Asp Thr Ala Gly Leu Glu
1 5

<210> 2191
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2191
Asp Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 2192
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2192
Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2193
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2193
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2194
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2194
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2195
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2195
Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2196
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2196
Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2197
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2197
Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2198
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2198
Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2199
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2199
Asp Gly Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 2200
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2200
Gly Ala Arg Gly Val Gly Lys Ser Ala
1 5

<210> 2201
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2201
Lys Leu Val Val Val Gly Ala Arg Gly Val
1 5 10

<210> 2202
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2202
Val Val Val Gly Ala Arg Gly Val
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Gly Ala Ser Gly Val Gly Lys Ser Ala Leu
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1 5

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Val Val Val Gly Ala Gly Cys Val Gly Lys
1 5 10

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Lys Leu Val Val Val Gly Ala Gly Cys
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<210> 2211
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<210> 2212
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1 5 10

<210> 2213
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<210> 2214
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1 5

<210> 2215
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1 5 10

<210> 2216
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<210> 2217
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<210> 2218
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<210> 2219
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<212> PRT
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<210> 2220
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1 5 10

<210> 2221
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<220>
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1 5 10

<210> 2222
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1 5

<210> 2223
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1 5

<210> 2224
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<220>
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Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2225
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Ala Val Gly Val Gly Lys Ser Ala
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Cys Val Gly Lys Ser Ala Leu Thr Ile
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<210> 2228
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<210> 2230
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1 5

<210> 2231
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Asp Thr Ala Gly Lys Glu Glu Tyr Ser Ala Met Arg
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1 5

<210> 2233
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<210> 2234
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1 5

<210> 2236
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1 5 10

<210> 2237
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<400> 2237
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1 5

<210> 2238
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1 5

<210> 2239
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<210> 2240
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<210> 2241
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<400> 2241
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<210> 2242
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1 5 10

<210> 2243
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<220>
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<210> 2244
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1 5

<210> 2245
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1 5 10

<210> 2246
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<212> PRT
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<220>
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<210> 2247
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1 5

<210> 2248
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<212> PRT
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1 5

<210> 2249
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<212> PRT
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1 5

<210> 2250
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1 5

<210> 2251
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<210> 2252
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Lys Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 2253
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Lys Leu Val Val Val Gly Ala Ser Gly
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Leu Asp Ile Leu Asp Thr Ala Gly Arg
1 5

<210> 2255
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peptide

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1 5

<210> 2256
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peptide

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Leu Val Val Val Gly Ala Arg Gly Val
1 5

<210> 2257
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<220>
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1 5

<210> 2258
<211> 11
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<400> 2258
Arg Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr
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<210> 2259
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Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2260
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1 5

<210> 2261
<211> 11
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<400> 2261
Thr Glu Tyr Lys Leu Val Val Val Gly Ala Ala
1 5 10

<210> 2262
<211> 10
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1 5 10

<210> 2263
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<212> PRT
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<400> 2263
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<210> 2264
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<400> 2264

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1 5 10

<210> 2265
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1 5 10

<210> 2266
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Val Val Val Gly Ala Ala Gly Val
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<210> 2267
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<212> PRT
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<210> 2268
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<212> PRT
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<220>
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<400> 2268
Tyr Lys Leu Val Val Val Gly Ala Cys
1 5

<210> 2269
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Tyr Lys Leu Val Val Val Gly Ala Asp
1 5

<210> 2270
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1 5

<210> 2271
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1 5

<210> 2272
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<400> 2272
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1 5

<210> 2273
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<220>
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<400> 2273
His His His His His His
1 5

<210> 2274
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1 5 10

<210> 2275
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1 5 10

<210> 2276
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1 5

<210> 2277
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<212> PRT
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Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 2278
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peptide

<400> 2278
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2279
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peptide

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Leu Val Val Val Gly Ala Asp Gly Val
1 5

<210> 2280
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peptide

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Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 2281
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peptide

<400> 2281
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 2282
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peptide

<400> 2282
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 2283
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<212> PRT
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peptide

<400> 2283
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1 5

<210> 2284
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peptide

<400> 2284
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 2285
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peptide

<400> 2285
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 2286
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peptide

<400> 2286
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 2287
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peptide

<400> 2287
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2288
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peptide

<400> 2288
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2289
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Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 2290
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Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 2291
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<400> 2291
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 2292
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<212> PRT
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<400> 2292
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1 5 10

<210> 2293
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<400> 2293

Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2294
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<400> 2294
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2295
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<400> 2295
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2296
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Phe Leu Val Val Val Gly Ala Cys Gly Leu
1 5 10

<210> 2297
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<212> PRT
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<400> 2297
Phe Met Val Val Val Gly Ala Cys Gly Ile
1 5 10

<210> 2298
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<400> 2298
Phe Leu Val Val Val Gly Ala Cys Gly Ile
1 5 10

<210> 2299
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1 5 10

<210> 2300
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<400> 2300
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1 5 10

<210> 2301
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<220>
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<400> 2301
Met Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2302
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<220>
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<400> 2302
Phe Met Val Val Val Gly Ala Cys Gly Leu
1 5 10

<210> 2303
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<400> 2303
Tyr Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2304
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<400> 2304
Lys Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2305
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<400> 2305
Tyr Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2306
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peptide

<400> 2306
Met Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2307
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peptide

<400> 2307
Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 2308
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peptide

<400> 2308
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2309
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1 5 10

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<400> 2310
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1 5

<210> 2311
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<400> 2311
Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 2312
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1 5

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peptide

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1 5 10

<210> 2314
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peptide

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1 5 10

<210> 2315
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peptide

<400> 2315
Gly Ala Val Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2316
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<212> PRT
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peptide

<400> 2316
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1 5

<210> 2317
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2317
Gly Ala Cys Gly Val Gly Lys Ser Ala
1 5

<210> 2318
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2318
Gly Ala Val Gly Val Gly Lys Ser Ala
1 5

<210> 2319
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2319
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 2320
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2320
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 2321
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2321
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2322
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2322

Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 2323
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2323
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 2324
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2324
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2325
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Asp, Val, Cys, Ala, Arg or Ser

<400> 2325
Lys Leu Val Val Val Gly Ala Xaa Gly Val Gly Lys Ser Ala Leu
1 5 10 15

<210> 2326
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2326
Lys Leu Val Val Val Gly Ala Val Gly Val Gly Lys Ser Ala Leu Thr
1 5 10 15

Ile Gln Leu

<210> 2327
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<220>
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<222> (1)..(1)
<223> Any amino acid except Ala

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Any amino acid except Glu

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Asp, Val, Cys, Ala, Arg or Ser

<220>
<221> MOD_RES
<222> (10)..(10)
<223> Any amino acid

<220>
<223> See specification as filed for detailed description of
substitutions and preferred embodiments

<400> 2327
Xaa Xaa Val Val Val Gly Ala Xaa Gly Xaa
1 5 10

<210> 2328
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 2328
Asp Thr Ala Gly His Glu Glu Tyr
1 5

<210> 2329
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2329
Thr Ala Gly His Glu Glu Tyr Ser Ala Met
1 5 10

<210> 2330
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2330
Asp Ile Leu Asp Thr Ala Gly His Glu
1 5

<210> 2331
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2331
Asp Ile Leu Asp Thr Ala Gly His
1 5

<210> 2332
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2332
Ile Leu Asp Thr Ala Gly His Glu Glu
1 5

<210> 2333
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2333
Ile Leu Asp Thr Ala Gly His Glu
1 5

<210> 2334
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2334
Asp Ile Leu Asp Thr Ala Gly His Glu Glu Tyr
1 5 10

<210> 2335
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2335
Asp Thr Ala Gly His Glu Glu Tyr Ser
1 5

<210> 2336
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2336
Leu Leu Asp Ile Leu Asp Thr Ala Gly His

1 5 10

<210> 2337
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2337
Asp Ile Leu Asp Thr Ala Gly Arg Glu
1 5

<210> 2338
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2338
Asp Ile Leu Asp Thr Ala Gly Arg
1 5

<210> 2339
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2339
Ile Leu Asp Thr Ala Gly Arg Glu Glu
1 5

<210> 2340
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2340
Ile Leu Asp Thr Ala Gly Arg Glu
1 5

<210> 2341
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2341
Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Arg
1 5 10

<210> 2342
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2342
Thr Ala Gly Arg Glu Glu Tyr Ser Ala Met
1 5 10

<210> 2343
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2343
Arg Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 2344
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2344
Asp Thr Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5 10

<210> 2345

<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2345
Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Lys
1 5 10

<210> 2346
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2346
Asp Thr Ala Gly Lys Glu Glu Tyr
1 5

<210> 2347
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2347
Leu Leu Asp Ile Leu Asp Thr Ala Gly Lys
1 5 10

<210> 2348
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2348
Ile Leu Asp Thr Ala Gly Lys Glu
1 5

<210> 2349
<211> 9
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2349
Ile Leu Asp Thr Ala Gly Lys Glu Glu
1 5

<210> 2350
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2350
Asp Thr Ala Gly Leu Glu Glu Tyr
1 5

<210> 2351
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2351
Ile Leu Asp Thr Ala Gly Leu Glu
1 5

<210> 2352
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2352
Asp Ile Leu Asp Thr Ala Gly Leu
1 5

<210> 2353
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2353
Ile Leu Asp Thr Ala Gly Leu Glu Glu
1 5

<210> 2354
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2354
Gly Leu Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr
1 5 10

<210> 2355
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2355
Leu Leu Asp Ile Leu Asp Thr Ala Gly Leu Glu
1 5 10

<210> 2356
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2356
Leu Asp Ile Leu Asp Thr Ala Gly Leu
1 5

<210> 2357
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 2357
Asp Ile Leu Asp Thr Ala Gly Leu Glu
1 5

<210> 2358
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2358
Asp Ile Leu Asp Thr Ala Gly Leu Glu Glu Tyr
1 5 10

<210> 2359
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2359
Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2360
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2360
Gly Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2361
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2361
Ala Ala Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2362
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2362
Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2363
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2363
Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2364
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2364
Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2365
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2365
Ala Asp Gly Val Gly Lys Ser Ala Leu

1 5

<210> 2366
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2366
Asp Gly Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 2367
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2367
Gly Ala Arg Gly Val Gly Lys Ser Ala
1 5

<210> 2368
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2368
Lys Leu Val Val Val Gly Ala Arg Gly Val
1 5 10

<210> 2369
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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<400> 2369
Val Val Val Gly Ala Arg Gly Val
1 5

<210> 2370
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2370
Ser Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2371
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2371
Val Val Val Gly Ala Ser Gly Val Gly Lys
1 5 10

<210> 2372
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2372
Gly Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2373
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2373
Val Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2374

<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2374
Val Val Val Gly Ala Gly Cys Val Gly Lys
1 5 10

<210> 2375
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2375
Lys Leu Val Val Val Gly Ala Gly Cys
1 5

<210> 2376
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2376
Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2377
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2377
Asp Val Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 2378
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2378
Val Val Val Gly Ala Gly Asp Val Gly Lys
1 5 10

<210> 2379
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2379
Thr Ala Gly Lys Glu Glu Tyr Ser Ala Met
1 5 10

<210> 2380
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2380
Asp Thr Ala Gly His Glu Glu Tyr Ser Ala Met
1 5 10

<210> 2381
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2381
Thr Ala Gly His Glu Glu Tyr Ser Ala
1 5

<210> 2382
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2382
Asp Thr Ala Gly Arg Glu Glu Tyr Ser Ala Met
1 5 10

<210> 2383
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2383
Thr Ala Gly Lys Glu Glu Tyr Ser Ala
1 5

<210> 2384
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2384
Ala Ala Gly Val Gly Lys Ser Ala
1 5

<210> 2385
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2385
Ala Gly Cys Val Gly Lys Ser Ala Leu
1 5

<210> 2386
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 2386
Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5

<210> 2387
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2387
Ala Gly Lys Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 2388
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2388
Ala Gly Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 2389
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2389
Ala Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2390
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2390
Ala Ser Gly Val Gly Lys Ser Ala
1 5

<210> 2391
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2391
Ala Ser Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2392
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2392
Ala Val Gly Val Gly Lys Ser Ala
1 5

<210> 2393
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2393
Cys Val Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 2394
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2394
Asp Ile Leu Asp Thr Ala Gly Lys

1 5

<210> 2395
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2395
Asp Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

<210> 2396
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2396
Asp Thr Ala Gly His Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 2397
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2397
Asp Thr Ala Gly Lys Glu Glu Tyr Ser
1 5

<210> 2398
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2398
Asp Thr Ala Gly Lys Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 2399
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2399
Asp Thr Ala Gly Leu Glu Glu Tyr Ser
1 5

<210> 2400
<211> 10
<212> PRT
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<220>
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<400> 2400
Asp Thr Ala Gly Leu Glu Glu Tyr Ser Ala
1 5 10

<210> 2401
<211> 12
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2401
Asp Thr Ala Gly Leu Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 2402
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2402
Asp Thr Ala Gly Arg Glu Glu Tyr Ser
1 5

<210> 2403

<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2403
Asp Thr Ala Gly Arg Glu Glu Tyr Ser Ala Met Arg
1 5 10

<210> 2404
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2404
Gly Ala Ala Gly Val Gly Lys Ser Ala
1 5

<210> 2405
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2405
Gly Ala Cys Gly Val Gly Lys Ser Ala
1 5

<210> 2406
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2406
Gly Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2407
<211> 8
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2407
Gly Ala Asp Gly Val Gly Lys Ser
1 5

<210> 2408
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2408
Gly Ala Gly Asp Val Gly Lys Ser Ala
1 5

<210> 2409
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2409
Gly Ala Gly Asp Val Gly Lys Ser Ala Leu
1 5 10

<210> 2410
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2410
Gly Ala Ser Gly Val Gly Lys Ser Ala
1 5

<210> 2411
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2411
Gly Cys Val Gly Lys Ser Ala Leu
1 5

<210> 2412
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2412
Gly Cys Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 2413
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2413
Gly His Glu Glu Tyr Ser Ala Met
1 5

<210> 2414
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2414
Gly Lys Glu Glu Tyr Ser Ala Met
1 5

<210> 2415
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 2415
Gly Leu Glu Glu Tyr Ser Ala Met Arg
1 5

<210> 2416
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2416
Gly Arg Glu Glu Tyr Ser Ala Met
1 5

<210> 2417
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2417
Gly Arg Glu Glu Tyr Ser Ala Met Arg
1 5

<210> 2418
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2418
His Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 2419
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2419
Lys Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 2420
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2420
Lys Leu Val Val Val Gly Ala Ser Gly
1 5

<210> 2421
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2421
Leu Asp Ile Leu Asp Thr Ala Gly Arg
1 5

<210> 2422
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2422
Leu Glu Glu Tyr Ser Ala Met Arg Asp
1 5

<210> 2423
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2423
Leu Val Val Val Gly Ala Arg Gly Val

1 5

<210> 2424
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2424
Leu Val Val Val Gly Ala Ser Gly Val
1 5

<210> 2425
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2425
Arg Glu Glu Tyr Ser Ala Met Arg Asp Gln Tyr
1 5 10

<210> 2426
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2426
Arg Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2427
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2427
Thr Ala Gly Leu Glu Glu Tyr Ser Ala
1 5

<210> 2428
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2428
Thr Glu Tyr Lys Leu Val Val Val Gly Ala Ala
1 5 10

<210> 2429
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2429
Val Gly Ala Ala Gly Val Gly Lys Ser Ala
1 5 10

<210> 2430
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2430
Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 2431
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2431
Val Gly Ala Ser Gly Val Gly Lys Ser Ala
1 5 10

<210> 2432

<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2432
Val Gly Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 2433
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2433
Val Val Val Gly Ala Ala Gly Val
1 5

<210> 2434
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2434
Val Val Val Gly Ala Val Gly Val
1 5

<210> 2435
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2435
Tyr Lys Leu Val Val Val Gly Ala Cys
1 5

<210> 2436
<211> 9
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2436
Tyr Lys Leu Val Val Val Gly Ala Asp
1 5

<210> 2437
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2437
Tyr Lys Leu Val Val Val Gly Ala Arg
1 5

<210> 2438
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2438
Asp Ile Leu Asp Thr Ala Gly Lys Glu
1 5

<210> 2439
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2439
Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 2440
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2440
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2441
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2441
Leu Val Val Val Gly Ala Asp Gly Val
1 5

<210> 2442
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2442
Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 2443
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2443
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 2444
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 2444
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 2445
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2445
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 2446
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2446
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 2447
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2447
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 2448
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2448
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 2449
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2449
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2450
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2450
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2451
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2451
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 2452
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2452
Val Val Gly Ala Asp Gly Val Gly Lys

1 5

<210> 2453
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2453
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 2454
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2454
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2455
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2455
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2456
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2456
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2457
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2457
Phe Leu Val Val Val Gly Ala Cys Gly Leu
1 5 10

<210> 2458
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2458
Phe Met Val Val Val Gly Ala Cys Gly Ile
1 5 10

<210> 2459
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2459
Phe Leu Val Val Val Gly Ala Cys Gly Ile
1 5 10

<210> 2460
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2460
Phe Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2461

<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2461
Phe Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2462
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2462
Met Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2463
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2463
Phe Met Val Val Val Gly Ala Cys Gly Leu
1 5 10

<210> 2464
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2464
Tyr Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2465
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2465
Lys Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2466
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2466
Tyr Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2467
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2467
Met Met Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2468
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2468
Thr Glu Tyr Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 2469
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2469
Trp Gln Ala Gly Ile Leu Ala Arg Lys Leu Val Val Val Gly Ala Val
1 5 10 15

Gly Val Gln Gly Gln Asn Leu Lys Tyr Gln
20 25

<210> 2470
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2470
His Ser Tyr Thr Thr Ala Glu Lys Leu Val Val Val Gly Ala Val Gly
1 5 10 15

Val Ile Leu Gly Val Leu Leu Leu Ile
20 25

<210> 2471
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2471
Pro Leu Thr Glu Glu Lys Ile Lys Lys Leu Val Val Val Gly Ala Val
1 5 10 15

Gly Val Glu Lys Glu Gly Lys Ile Ser Lys
20 25

<210> 2472
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2472
Gly Ala Leu His Phe Lys Pro Gly Ser Arg Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Ala Ala Ser Asp Phe Ile Phe Leu Val Thr
20 25 30

<210> 2473
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2473
Arg Arg Ala Asn Lys Asp Ala Thr Ala Glu Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Lys Glu Leu Lys Gln Val Ala Ser Pro Phe
20 25 30

<210> 2474
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2474
Lys Ala Phe Ile Ser His Glu Glu Lys Arg Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Lys Lys Lys Leu Ile Asn Glu Lys Lys Glu
20 25 30

<210> 2475
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2475
Thr Asp Leu Ser Ser Arg Phe Ser Lys Ser Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Lys Lys Cys Asp Ile Ser Leu Gln Phe Phe
20 25 30

<210> 2476
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 2476
Phe Asp Leu Gly Gly Gly Thr Phe Asp Val Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Lys Ser Thr Ala Gly Asp Thr His Leu Gly
20 25 30

<210> 2477
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 2477
Cys Leu Leu Leu His Tyr Ser Val Ser Lys Lys Leu Val Val Val Gly
1 5 10 15

Ala Val Gly Val Ala Thr Phe Tyr Val Ala Val Thr Val Pro
20 25 30

<210> 2478
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2478
Ile Asp Ile Ile Met Lys Ile Arg Asn Ala
1 5 10

<210> 2479
<211> 30
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2479
Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
1 5 10 15

Phe Phe Phe Phe Ile Ile Phe Phe Ile Phe Phe Trp Met Cys
20 25 30

<210> 2480
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2480
Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
1 5 10 15

Phe Phe Phe Phe Phe Phe Phe Phe Ala Ala Phe Trp Phe Trp
20 25 30

<210> 2481
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2481
Ile Phe Phe Ile Phe Phe Ile Ile Phe Phe Phe Phe Phe Phe Phe
1 5 10 15

Phe Phe Phe Phe Ile Ile Ile Ile Ile Ile Ile Trp Glu Cys
20 25 30

<210> 2482
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

polypeptide

<400> 2482
Phe Ile Phe Phe Phe Ile Ile Phe Phe Phe Phe Phe Ile Phe Phe Phe
1 5 10 15

Phe Phe Ile Phe Ile Ile Ile Ile Ile Ile Phe Trp Glu Cys
20 25 30

<210> 2483
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2483
Trp Gln Ala Gly Ile Leu Ala Arg
1 5

<210> 2484
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2484
His Ser Tyr Thr Thr Ala Glu
1 5

<210> 2485
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2485
Pro Leu Thr Glu Glu Lys Ile Lys
1 5

<210> 2486
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2486
Gly Ala Leu His Phe Lys Pro Gly Ser Arg
1 5 10

<210> 2487
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2487
Arg Arg Ala Asn Lys Asp Ala Thr Ala Glu
1 5 10

<210> 2488
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2488
Lys Ala Phe Ile Ser His Glu Glu Lys Arg
1 5 10

<210> 2489
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2489
Thr Asp Leu Ser Ser Arg Phe Ser Lys Ser
1 5 10

<210> 2490
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 2490
Phe Asp Leu Gly Gly Gly Thr Phe Asp Val
1 5 10

<210> 2491
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2491
Cys Leu Leu Leu His Tyr Ser Val Ser Lys
1 5 10

<210> 2492
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2492
Met Thr Glu Tyr Lys Leu Val Val Val
1 5

<210> 2493
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2493
Lys Lys Asn Lys Lys Asp Asp Ile Lys Asp
1 5 10

<210> 2494
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 2494
Ala Gly Asn Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp
1 5 10 15

Asp Asp Asp Asp Lys Lys Asp Lys Asp Asp Asp Asp Asp Asp
20 25 30

<210> 2495
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 2495
Ala Gly Asn Lys Lys Lys Lys Lys Lys Asn Asn Asn Asn Asn Asn
1 5 10 15

Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn Asn
20 25 30

<210> 2496
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 2496
Ala Gly Arg Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp
1 5 10 15

Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp
20 25 30

<210> 2497
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2497
Gly Lys Ser Ala Leu Thr Ile Gln Leu
1 5

<210> 2498
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2498
Gly Lys Ser Ala Leu Thr Ile
1 5

<210> 2499
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2499
Gln Gly Gln Asn Leu Lys Tyr Gln
1 5

<210> 2500
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2500
Ile Leu Gly Val Leu Leu Leu Ile
1 5

<210> 2501
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2501
Glu Lys Glu Gly Lys Ile Ser Lys
1 5

<210> 2502

<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2502
Ala Ala Ser Asp Phe Ile Phe Leu Val Thr
1 5 10

<210> 2503
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2503
Lys Glu Leu Lys Gln Val Ala Ser Pro Phe
1 5 10

<210> 2504
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2504
Lys Lys Lys Leu Ile Asn Glu Lys Lys Glu
1 5 10

<210> 2505
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2505
Lys Lys Cys Asp Ile Ser Leu Gln Phe Phe
1 5 10

<210> 2506
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2506
Lys Ser Thr Ala Gly Asp Thr His Leu Gly
1 5 10

<210> 2507
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2507
Ala Thr Phe Tyr Val Ala Val Thr Val Pro
1 5 10

<210> 2508
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2508
Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr Asp Pro
1 5 10 15

Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
20 25 30

<210> 2509
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2509
Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr Asp Pro Thr
1 5 10 15

Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly Glu

20 25 30

<210> 2510
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2510
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 2511
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2511
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 2512
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2512
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2513
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2513
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 2514
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2514
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 2515
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2515
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2516
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2516
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2517
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2517
Gly Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2518

<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2518
Gly Ala Val Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2519
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2519
Gly Ala Asp Gly Val Gly Lys Ser Ala
1 5

<210> 2520
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2520
Gly Ala Cys Gly Val Gly Lys Ser Ala
1 5

<210> 2521
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2521
Gly Ala Val Gly Val Gly Lys Ser Ala
1 5

<210> 2522
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2522
Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 2523
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2523
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2524
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2524
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 2525
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2525
Leu Val Val Val Gly Ala Asp Gly Val
1 5

<210> 2526
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2526
Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 2527
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2527
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 2528
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2528
Gly Ala Asp Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2529
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2529
Gly Ala Cys Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2530
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 2530
Gly Ala Val Gly Val Gly Lys Ser Ala Leu
1 5 10

<210> 2531
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2531
Gly Ala Asp Gly Val Gly Lys Ser Ala
1 5

<210> 2532
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2532
Gly Ala Cys Gly Val Gly Lys Ser Ala
1 5

<210> 2533
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2533
Gly Ala Val Gly Val Gly Lys Ser Ala
1 5

<210> 2534
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2534
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 2535
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2535
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 2536
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2536
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2537
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2537
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 2538
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2538
Val Val Val Gly Ala Cys Gly Val Gly Lys

1 5 10

<210> 2539
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2539
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2540
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2540
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 2541
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2541
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2542
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2542
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2543
<211> 188
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 2543
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu Glu Tyr
50 55 60

Ser Ala Met Arg Asp Gln Tyr Met Arg Thr Gly Glu Gly Phe Leu Cys
65 70 75 80

Val Phe Ala Ile Asn Asn Thr Lys Ser Phe Glu Asp Ile His His Tyr
85 90 95

Arg Glu Gln Ile Lys Arg Val Lys Asp Ser Glu Asp Val Pro Met Val
100 105 110

Leu Val Gly Asn Lys Cys Asp Leu Pro Ser Arg Thr Val Asp Thr Lys
115 120 125

Gln Ala Gln Asp Leu Ala Arg Ser Tyr Gly Ile Pro Phe Ile Glu Thr
130 135 140

Ser Ala Lys Thr Arg Gln Gly Val Asp Asp Ala Phe Tyr Thr Leu Val
145 150 155 160

Arg Glu Ile Arg Lys His Lys Glu Lys Met Ser Lys Asp Gly Lys Lys
165 170 175

Lys Lys Lys Lys Ser Lys Thr Lys Cys Val Ile Met
180 185

<210> 2544
<211> 188
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
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<400> 2544
Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10 15

Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe Val Asp Glu Tyr
20 25 30

Asp Pro Thr Ile Glu Asp Ser Tyr Arg Lys Gln Val Val Ile Asp Gly
35 40 45

Glu Thr Cys Leu Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu Glu Tyr
50 55 60

Ser Ala Met Arg Asp Gln Tyr Met Arg Thr Gly Glu Gly Phe Leu Cys
65 70 75 80

Val Phe Ala Ile Asn Asn Thr Lys Ser Phe Glu Asp Ile His His Tyr
85 90 95

Arg Glu Gln Ile Lys Arg Val Lys Asp Ser Glu Asp Val Pro Met Val
100 105 110

Leu Val Gly Asn Lys Cys Asp Leu Pro Ser Arg Thr Val Asp Thr Lys
115 120 125

Gln Ala Gln Asp Leu Ala Arg Ser Tyr Gly Ile Pro Phe Ile Glu Thr
130 135 140

Ser Ala Lys Thr Arg Gln Gly Val Asp Asp Ala Phe Tyr Thr Leu Val
145 150 155 160

Arg Glu Ile Arg Lys His Lys Glu Lys Met Ser Lys Asp Gly Lys Lys
165 170 175

Lys Lys Lys Lys Ser Lys Thr Lys Cys Val Ile Met
180 185

<210> 2545
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2545
Leu Val Val Val Gly Ala Cys Gly Val
1 5

<210> 2546
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2546
Lys Leu Val Val Val Gly Ala Cys Gly Val
1 5 10

<210> 2547
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2547
Leu Val Val Val Gly Ala Asp Gly Val
1 5

<210> 2548
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2548
Lys Leu Val Val Val Gly Ala Asp Gly Val
1 5 10

<210> 2549

<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2549
Leu Val Val Val Gly Ala Val Gly Val
1 5

<210> 2550
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2550
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 2551
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2551
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 2552
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2552
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 2553
<211> 9
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2553
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 2554
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2554
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 2555
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2555
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2556
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2556
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2557
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2557
Val Val Gly Ala Cys Gly Val Gly Lys
1 5

<210> 2558
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2558
Val Val Val Gly Ala Cys Gly Val Gly Lys
1 5 10

<210> 2559
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2559
Val Val Gly Ala Asp Gly Val Gly Lys
1 5

<210> 2560
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 2560
Val Val Val Gly Ala Asp Gly Val Gly Lys
1 5 10

<210> 2561
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 2561
Val Val Gly Ala Val Gly Val Gly Lys
1 5

<210> 2562
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2562
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10

<210> 2563
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2563
Asp Gly Val Gly Lys Ser Ala Leu
1 5

<210> 2564
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2564
Asp Gly Val Gly Lys Ser Ala Leu Thr
1 5

<210> 2565
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2565
Asp Gly Val Gly Lys Ser Ala Leu Thr Ile
1 5 10

<210> 2566
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 2566
Thr Glu Tyr Lys Leu Val Val Val Gly Ala Val Gly Val Gly Lys Ser
1 5 10 15

Ala Leu Thr Ile
20

<210> 2567
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> May or may not be present

<400> 2567
Val Val Val Gly Ala Val Gly Val Gly Lys
1 5 10