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<213> Lama Glama

<400> 135

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

<210> 136
<211> 11
<212> PRT
<213> Lama Glama

<400> 136

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

<210> 137
<211> 17
<212> PRT
<213> Lama Glama

<400> 137

Lys Pro Asn Leu Lys Tyr Gly Ser Tyr Trp Pro Pro Arg Gly Tyr Asp
1 5 10 15

Tyr

<210> 138
<211> 17
<212> PRT
<213> Lama Glama

<400> 138

Lys Pro Asn Leu Lys Tyr Gly Ser Thr Trp Pro Pro Arg Gly Tyr Asp
1 5 10 15

Tyr

<210> 139
<211> 17
<212> PRT
<213> Lama Glama

<400> 139

Lys Pro Asn Leu Lys Tyr Gly Ser Tyr Trp Pro Pro Arg Gly Tyr Asp
1 5 10 15

Tyr

<210> 140
<211> 17
<212> PRT
<213> Lama Glama

<400> 140

Lys Pro Asn Leu Lys Tyr Gly Ser Asp Trp Pro Pro Arg Gly Tyr Asp
1 5 10 15

Tyr

<210> 141
<211> 8
<212> PRT
<213> Lama Glama

<400> 141

Arg Thr Ser Arg Ser Pro Arg Pro

1 5

<210> 142
<211> 15
<212> PRT
<213> Lama Glama

<400> 142

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

<210> 143
<211> 7
<212> PRT
<213> Lama Glama

<400> 143

Gly Ser Gly Ser Trp Gly Val
1 5

<210> 144
<211> 19
<212> PRT
<213> Lama Glama

<400> 144

Asn Glu Gly Tyr Cys Ser Gly Tyr Gly Cys Tyr Glu Asp Ser Gly Gln
1 5 10 15

Tyr Asp Tyr

<210> 145
<211> 19
<212> PRT
<213> Lama Glama

<400> 145

Asn Glu Gly Tyr Cys Ser Gly Tyr Gly Cys Tyr Glu Asp Ser Gly Gln
1 5 10 15

Tyr Asp Tyr

<210> 146
<211> 12
<212> PRT
<213> Lama Glama

<400> 146

Gly Gly Arg Ser Phe Leu Pro Phe Val Pro Ala Tyr
1 5 10

<210> 147
<211> 19

<212> PRT
<213> Lama Glama

<400> 147

Asn Glu Gly Tyr Cys Ser Gly Tyr Gly Cys Tyr Glu Asp Ser Gly Gln
1 5 10 15

Tyr Asp Tyr

<210> 148
<211> 19
<212> PRT
<213> Lama Glama

<400> 148

Asn Gly Gly Tyr Cys Ser Gly Tyr Gly Cys Tyr Glu Asp Ser Gly Gln
1 5 10 15

Tyr Asp Tyr

<210> 149
<211> 11
<212> PRT
<213> Lama Glama

<400> 149

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

<210> 150
<211> 11
<212> PRT
<213> Lama Glama

<400> 150

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

<210> 151
<211> 11
<212> PRT
<213> Lama Glama

<400> 151

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

<210> 152
<211> 14
<212> PRT
<213> Lama Glama

<400> 152

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

<210> 153
<211> 14
<212> PRT
<213> Lama Glama

<400> 153

Pro Arg Gly Trp Gly Pro Thr Gly Pro Ile Glu Tyr Gly Tyr
1 5 10

<210> 154
<211> 14
<212> PRT
<213> Lama Glama

<400> 154

Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
1 5 10

<210> 155
<211> 14
<212> PRT
<213> Lama Glama

<400> 155

Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Ala Tyr
1 5 10

<210> 156
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<400> 156

Pro Ala Pro Gly Ser Ser Gly Tyr Glu Tyr Asp Tyr
1 5 10

<210> 157
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<400> 157

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

<210> 158
<211> 14
<212> PRT
<213> Lama Glama

<400> 158

Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Ala Tyr
1 5 10

<210> 159
<211> 14
<212> PRT
<213> Lama Glama

<400> 159

Pro Arg Gly Trp Gly Pro Thr Gly Pro Leu Glu Tyr Gly Tyr
1 5 10

<210> 160
<211> 14
<212> PRT
<213> Lama Glama

<400> 160

Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
1 5 10

<210> 161
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<400> 161

Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
1 5 10

<210> 162
<211> 14
<212> PRT
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<400> 162

Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
1 5 10

<210> 163
<211> 14
<212> PRT
<213> Lama Glama

<400> 163

Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
1 5 10

<210> 164
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<212> PRT
<213> Lama Glama

<400> 164

Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Ala Tyr
1 5 10

<210> 165
<211> 14
<212> PRT
<213> Lama Glama

<400> 165

Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
1 5 10

<210> 166
<211> 14
<212> PRT
<213> Lama Glama

<400> 166

Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Ala Tyr
1 5 10

<210> 167
<211> 125
<212> PRT
<213> Lama Glama

<400> 167

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Thr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Asn Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

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

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 168
<211> 125
<212> PRT
<213> Lama Glama

<400> 168

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Asn Ser Ser Asp Gly Ser Thr Tyr Tyr Thr Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Ile Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Ser Tyr Tyr Ser His Leu Cys Gly Val Asn Gly Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 169
<211> 125
<212> PRT
<213> Lama Glama

<400> 169

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr Ala Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Ser Tyr Tyr Ser Ser Leu Cys Gly Val Asn Glu Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser

115 120 125

<210> 170
<211> 124
<212> PRT
<213> Lama Glama

<400> 170

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ile Ser Gly Phe Thr Leu Asp Leu His
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Trp Asp Ser Trp Tyr Cys Gly Ile Gly Asn Asp Tyr Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 171
<211> 125
<212> PRT
<213> Lama Glama

<400> 171

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Arg Gly Ser Asn Gly Ser Thr Gly Tyr Thr Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

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Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

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

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
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<210> 172
<211> 131
<212> PRT
<213> Lama Glama

<400> 172

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Lys Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Arg Gly Gly Ser Thr Tyr Tyr Val Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Ser Ser Tyr Tyr Tyr
            100                 105                 110

Ser Pro Glu Ala Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr
        115                 120                 125

Val Ser Ser
    130
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<210> 173
<211> 125
<212> PRT
<213> Lama Glama

<400> 173

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
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20 25 30

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

Ser Cys Ile Thr Ser Ser Asn Gly Ser Thr Tyr Tyr Thr Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Ala His Tyr Ser Asp Leu Cys Gly Val Asn Gly Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 174
<211> 123
<212> PRT
<213> Lama Glama

<400> 174

Glu Val Gln Leu Val Glu Ser Glu Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Val Ile Ser Asn Gly Gly Ile Thr Asn Tyr Pro Asn Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val His Glu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 175
<211> 125

<212> PRT
<213> Lama Glama

<400> 175

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Asn Ser Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Glu Tyr Tyr Ser Asp Leu Cys Gly Val Asn Gly Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 176
<211> 130
<212> PRT
<213> Lama Glama

<400> 176

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Ile
35 40 45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Arg Tyr Tyr Tyr Ser
100 105 110

Pro Glu Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 177
<211> 125
<212> PRT
<213> Lama Glama

<400> 177

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr His
20 25 30

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

Ser Cys Ile Ser Ser Ser Gly Gly Ser Thr Ala Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

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

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 178
<211> 125
<212> PRT
<213> Lama Glama

<400> 178

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Asn Ser Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

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

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Glu Tyr Tyr Ser Asp Leu Cys Gly Val Asn Gly Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 179
<211> 123
<212> PRT
<213> Lama Glama

<400> 179

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Trp Val
35 40 45

Ala Ala Phe Ser Thr Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val Phe Glu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 180
<211> 130
<212> PRT
<213> Lama Glama

<400> 180

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
20 25 30

Ala Val Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

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

Lys Gly Arg Phe Thr Thr Ser Arg Asn Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala His Pro Leu Gln Asn Cys Cys Gly Gly Ser Ala Tyr Ala Ser
100 105 110

Pro Glu Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 181
<211> 125
<212> PRT
<213> Lama Glama

<400> 181

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Asn Ser Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Ala Tyr Tyr Ser Asn Leu Cys Gly Val Asn Gly Tyr

100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 182
<211> 130
<212> PRT
<213> Lama Glama

<400> 182

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
20 25 30

Ala Val Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

Ser Cys Ile Ser Ser Arg Gly Gly Ser Thr Tyr Tyr Val Asp Ser Val
50 55 60

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

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Asn Tyr Tyr Ala Ser
100 105 110

Pro Glu Ala Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 183
<211> 124
<212> PRT
<213> Lama Glama

<400> 183

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

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

Ser Cys Ile Ser Ser His Asp Arg Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Leu Val Cys Gly Tyr Asn Asp Pro Arg Leu Ala Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 184
<211> 125
<212> PRT
<213> Lama Glama

<400> 184

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Thr Ser Ser Tyr Gly Ser Thr Tyr Tyr Thr Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Ala His Tyr Ser Asp Leu Cys Gly Val Asn Gly Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 185
<211> 125
<212> PRT
<213> Lama Glama

<400> 185

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr His
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Gly Arg Thr Ala Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Thr His Tyr Ser Asp Leu Cys Gly Val Asn Glu Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 186
<211> 120
<212> PRT
<213> Lama Glama

<400> 186

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Gly Cys Ile Ser Ser Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 187
<211> 120
<212> PRT
<213> Lama Glama

<400> 187

Lys Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Thr Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 188
<211> 123
<212> PRT
<213> Lama Glama

<400> 188

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 189
<211> 124
<212> PRT
<213> Lama Glama

<400> 189

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

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

Ala Ala Ile Ser Trp Ser Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Cys
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Ser Phe Gln Ser Gly Ala Ala Pro Gly Ala Asn Phe Tyr Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 190
<211> 121
<212> PRT
<213> Lama Glama

<400> 190

Glu Val Gln Leu Val Glu Ser Glu Gly Gly Ser Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

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

Ala Ala Ile Asn Trp Ser Gly Gly Tyr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Ala Pro Gly Ser Ser Gly Tyr Glu Tyr Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 191
<211> 121
<212> PRT
<213> Lama Glama

<400> 191

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

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

Ala Ala Ile Phe Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Ile Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Ser Pro Gly Ser Ser Gly Tyr Glu Tyr Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 192
<211> 123
<212> PRT
<213> Lama Glama

<400> 192

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Thr Gly Asp
1 5 10 15

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

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

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

Lys Gly Arg Phe Thr Val Thr Arg Asp Asn Ala Lys Asn Met Met Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Ser Ala Val Tyr Thr Cys
85 90 95

Ala Ala Ser Leu Arg Gly Trp Asp Thr Thr Arg Ile Asp Tyr Glu Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 193
<211> 120
<212> PRT
<213> Lama Glama

<400> 193

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asp Val Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Ser Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

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

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser

115 120

<210> 194
<211> 123
<212> PRT
<213> Lama Glama

<400> 194

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Asp Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 195
<211> 121
<212> PRT
<213> Lama Glama

<400> 195

Glu Val Gln Leu Val Glu Ser Arg Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

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

Ala Thr Ile Asn Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Ala Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Ala Pro Gly Ser Ser Gly Tyr Glu Tyr Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 196
<211> 121
<212> PRT
<213> Lama Glama

<400> 196

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

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

Ala Ala Val Tyr Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Ser Pro Gly Ser Ser Gly Tyr Glu Tyr Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 197
<211> 123
<212> PRT
<213> Lama Glama

<400> 197

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val

35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Ala Asp Thr Arg Leu Gly Pro Tyr Glu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 198
<211> 123
<212> PRT
<213> Lama Glama

<400> 198

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Ser Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 199
<211> 120
<212> PRT
<213> Lama Glama

<400> 199

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
            20                  25                  30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
        35                  40                  45

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Thr Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Thr Gly Gln
            100                 105                 110

Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 200
<211> 122
<212> PRT
<213> Lama Glama

<400> 200

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Ala Gln Ala Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Ser Ser Thr Tyr
            20                  25                  30

Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu His Glu Phe Val
        35                  40                  45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Gln Leu Glu Asp Thr Gly Asp Tyr Tyr Cys
                85                  90                  95

Val Ala Gly Arg Gly Phe Tyr His Asp Tyr Ser Ser Tyr Glu Tyr Arg
            100                 105                 110
```

Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 201
<211> 118
<212> PRT
<213> Lama Glama

<400> 201

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Gly Tyr Tyr
20 25 30

Thr Ile Val Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Lys Gly Val
35 40 45

Ser Cys Ile Ser Ser Arg Asp Gly Ser Arg Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Arg Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Gly Pro Asp Cys Ser Ser Tyr Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Gln Val Thr Val Ser Ser
115

<210> 202
<211> 123
<212> PRT
<213> Lama Glama

<400> 202

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Thr Gly Asp
1 5 10 15

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

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

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

Lys Gly Arg Phe Thr Val Thr Arg Asp Asn Ala Lys Asn Met Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Ser Ala Val Tyr Thr Cys
85 90 95

Ala Ala Ser Leu Arg Gly Trp Asp Thr Thr Arg Ile Asp Tyr Glu Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 203
<211> 121
<212> PRT
<213> Lama Glama

<400> 203

Glu Val Gln Leu Met Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Arg Ile Thr Ser Gly Gly Arg Thr Thr Tyr Arg Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Leu Tyr Tyr Cys Ala
85 90 95

Lys Ala Arg Gly Asp Ile Asp Val Tyr Thr Leu Ser Asp Ser Arg Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 204
<211> 121
<212> PRT
<213> Lama Glama

<400> 204

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Arg Ile Thr Ser Gly Gly Arg Ala Thr Tyr Arg Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Leu Tyr Tyr Cys Ala
85 90 95

Lys Ala Arg Gly Asp Ile Asp Val Tyr Thr Leu Ser Asp Ser Arg Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 205
<211> 123
<212> PRT
<213> Lama Glama

<400> 205

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Arg Pro Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 206
<211> 129
<212> PRT
<213> Lama Glama

<400> 206

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

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

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Val Arg Leu Phe Ser Gly Gly Cys Ala Val Val Ala Gly Thr Ser
100 105 110

Trp Ala Asp Phe Gly Ser Ser Gly Gln Gly Thr Gln Val Thr Val Ser
115 120 125

Ser

<210> 207
<211> 129
<212> PRT
<213> Lama Glama

<400> 207

Ala Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr His Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Lys Val Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Val Arg Leu Phe Lys Gly Gly Cys Ala Val Val Ala Gly Thr Ser
100 105 110

Trp Ala Asp Phe Gly Ser Thr Gly Gln Gly Thr Gln Val Thr Val Ser
115 120 125

Ser

<210> 208
<211> 119
<212> PRT
<213> Lama Glama

<400> 208

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Asp Ile Pro Arg Ile Ala
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Thr Val Ser Asn Ala Ala Thr Thr Arg Tyr Ala Asp Ser Ala Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Val Ser Leu Gln
65 70 75 80

Met Asp Asn Leu Lys Pro Glu Asp Thr Gly Val Tyr Tyr Cys Tyr Ser
85 90 95

Leu Ala Thr Thr Val Thr Pro Ser Trp Val Asn Tyr Trp Gly Gln Gly
100 105 110

Thr Gln Val Thr Val Ser Ser
115

<210> 209
<211> 123
<212> PRT
<213> Lama Glama

<400> 209

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Phe Gly Tyr Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val

35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Met Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 210
<211> 123
<212> PRT
<213> Lama Glama

<400> 210

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Asp Ala Ser Gly Arg Gly Phe Ser Tyr Tyr
20 25 30

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

Ala Ala Ile Gly Lys Ser Gly Arg Asn Thr Tyr Tyr Gly Asp Tyr Val
50 55 60

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

Leu Gln Met Thr Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Thr Cys
85 90 95

Ala Ala Ser Leu Arg Gly Trp Asp Thr Thr Trp Ile Asp Tyr Glu Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 211
<211> 121
<212> PRT
<213> Lama Glama

<400> 211

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Ala Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Ile Ser Arg Ile Asp
            20                  25                  30

Val Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Leu Val
        35                  40                  45

Ala Ser Ile Ser Ser Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Glu Tyr Phe Lys Asn Met Met Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Lys Phe Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

Ala Asp Ser Arg Arg Gly Gly Val Gly Asn Phe Phe Arg Ser Trp Gly
            100                 105                 110

Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 212
<211> 123
<212> PRT
<213> Lama Glama

<400> 212

```
Glu Val Gln Leu Val Glu Ser Arg Gly Gly Leu Val Gln Pro Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
            20                  25                  30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
        35                  40                  45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ile Pro Arg Gly Trp Gly Pro Thr Gly Pro Ile Glu Tyr Ala Tyr
            100                 105                 110
```

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Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 213
<211> 116
<212> PRT
<213> Lama Glama

<400> 213

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ala Gly Ser Thr Phe Ser Ser Tyr
20 25 30

Val Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

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

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Met Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

Thr Arg Arg Asn Phe Leu Ser Asn Tyr Trp Gly Gln Gly Thr Gln Val
100 105 110

Thr Val Ser Ser
115

<210> 214
<211> 120
<212> PRT
<213> Lama Glama

<400> 214

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Val Tyr
65 70 75 80

```
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Thr Gly Gln
            100                 105                 110

Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 215
<211> 123
<212> PRT
<213> Lama Glama

<400> 215

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Thr Ala Trp Cys Asp Ser Ser Trp Tyr Arg Ser Phe Val Gly Tyr
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 216
<211> 129
<212> PRT
<213> Lama Glama

<400> 216

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
            20                  25                  30
```

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

Ser Cys Ile Ser Ser Ser Asp Asp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asn Asn Ala Lys Asn Thr Ala Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Val Arg Leu Phe Ser Gly Gly Cys Ala Val Val Ala Arg Thr Ser
100 105 110

Trp Ala Asp Phe Gly Ser Ser Gly Gln Gly Thr Gln Val Thr Val Ser
115 120 125

Ser

<210> 217
<211> 120
<212> PRT
<213> Lama Glama

<400> 217

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Phe Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Glu Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 218

<211> 123
<212> PRT
<213> Lama Glama

<400> 218

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ser Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Asn Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 219
<211> 119
<212> PRT
<213> Lama Glama

<400> 219

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Val Gly Ile Ser Ser Asp Gly Ser Thr His Tyr Ala Asp Ser Ala Lys
50 55 60

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

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

Val Pro Val Lys Val Ala Gly Leu Glu Tyr Ala Tyr Trp Gly Gln Gly
100 105 110

Thr Gln Val Thr Val Ser Ser
115

<210> 220
<211> 121
<212> PRT
<213> Lama Glama

<400> 220

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Val Ser Gly Ser Ile Gly Ser Val Ser
20 25 30

Asp Met Arg Trp Tyr Arg Gln Ala Pro Gly Leu Gln Tyr Glu Leu Val
35 40 45

Ala Arg Ile Thr Ser Gly Ser Ile Thr Asp Tyr Ser Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

Ala Asp Val Gln His Ser Ala Trp Leu Lys Pro Leu Thr Tyr Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 221
<211> 111
<212> PRT
<213> Lama Glama

<400> 221

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ile Arg Phe Ser Ile Asn
20 25 30

Gly Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Ala Val
35 40 45

Ala Thr Ile Thr Arg Gly Gly Ile Arg Asp Tyr Thr Asp Ser Val Lys

50 55 60

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

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

Ile Asp Ile Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser
100 105 110

<210> 222
<211> 121
<212> PRT
<213> Lama Glama

<400> 222

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Phe Gly Arg Thr Pro Tyr Gly Met
20 25 30

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
35 40 45

Ile Thr Ser Asp Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly Arg
50 55 60

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ala Val Ser Leu Gln Met
65 70 75 80

Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ala Pro
85 90 95

Tyr Tyr Ser Asp Phe Glu Gly Thr Thr Thr Glu Tyr Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 223
<211> 128
<212> PRT
<213> Lama Glama

<400> 223

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Val Arg Ser Tyr
20 25 30

```
Ala Thr Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
        35                  40                  45

Ala Ala Leu Arg Trp Ser Ile Gly Ser Ile Ala Ser Val Tyr Tyr Asp
    50                  55                  60

Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Gly Asp Asn Ala Glu Asn
65                  70                  75                  80

Thr Val Tyr Leu Gln Met Asn Ala Leu Lys Pro Glu Asp Thr Ala Ile
                85                  90                  95

Tyr Tyr Cys Ala Ser Thr Thr Arg Gly Arg Tyr Ser Ala Leu Ser Ala
            100                 105                 110

Ser Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 224
<211> 128
<212> PRT
<213> Lama Glama

<400> 224

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
            20                  25                  30

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
        35                  40                  45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Arg Tyr Ile Arg Ala Arg Gln Gly Asp Tyr Trp Gly Ala
            100                 105                 110

Tyr Glu Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 225
<211> 130
<212> PRT
<213> Lama Glama

<400> 225

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Arg Gly Gly Ser Thr Tyr Tyr Glu Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Arg Tyr Tyr Ala Ser
100 105 110

Pro Asp Ala Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 226
<211> 124
<212> PRT
<213> Lama Glama

<400> 226

Lys Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

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

Ser Cys Ile Ser Ser His Asp Gly Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

```
Ala Ala Asp Pro Leu Val Cys Gly Tyr Asn Asp Pro Arg Leu Ala Asp
            100                 105                 110

Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 227
<211> 125
<212> PRT
<213> Lama Glama

<400> 227

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr His
            20                  25                  30

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

Ser Cys Ile Ser Ser Ser Gly Gly Ser Thr Ala Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

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

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 228
<211> 125
<212> PRT
<213> Lama Glama

<400> 228

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr Ala Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Gly Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Ser Tyr Tyr Ser Ser Leu Cys Gly Val Asn Glu Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 229
<211> 125
<212> PRT
<213> Lama Glama

<400> 229

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Thr Asn Gly Asn Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Ser Ile Ser Arg Asp Asn Ala Arg Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Ser Tyr Tyr Asn Asn Leu Cys Gly Val Asn Gly Val
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 230
<211> 129
<212> PRT
<213> Lama Glama

<400> 230

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Asp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asn Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Val Arg Leu Phe Ser Gly Gly Cys Ala Val Val Ala Gly Thr Ser
100 105 110

Trp Ala Asp Phe Gly Ser Ser Gly Gln Gly Thr Gln Val Thr Val Ser
115 120 125

Ser

<210> 231
<211> 125
<212> PRT
<213> Lama Glama

<400> 231

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Thr Ser Ser Asn Gly Ser Thr Tyr Tyr Thr Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Ala His Tyr Ser Asp Leu Cys Gly Val Asn Gly Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 232
<211> 125
<212> PRT
<213> Lama Glama

<400> 232

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Ala Tyr Tyr Ser Asp Leu Cys Gly Val Asn Glu Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 233
<211> 123
<212> PRT
<213> Lama Glama

<400> 233

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Thr Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Ala Ile Ser Ser Asp Asp Ser Thr Tyr Tyr Ala Asp Cys Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Tyr Ala Lys Asn Thr Val Tyr Leu

65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

Ala Pro His Ser Asp Tyr Asp Glu Glu Ala Pro Ser Asp Phe Gly Ser
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 234
<211> 129
<212> PRT
<213> Lama Glama

<400> 234

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Asp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asn Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Val Arg Leu Phe Ser Gly Gly Cys Ala Val Val Val Gly Thr Ser
100 105 110

Trp Ala Asp Phe Gly Ser Ser Gly Gln Gly Thr Gln Val Thr Val Ser
115 120 125

Ser

<210> 235
<211> 120
<212> PRT
<213> Lama Glama

<400> 235

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val
        35                  40                  45

Ser Cys Ile Ser Ser Ser Asp Gly Thr Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Val Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Arg Leu Lys Pro Glu Asp Thr Ala Ile Tyr Tyr Cys
                85                  90                  95

Ala Leu Ser Leu Gly Ser Ser Trp Cys Ala Tyr Asp Tyr Trp Gly Gln
            100                 105                 110

Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 236
<211> 124
<212> PRT
<213> Lama Glama

<400> 236

```
Glu Val Gln Leu Met Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Tyr Asp Gly Thr Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Pro Leu Val Cys Gly Tyr Asn Asp Pro Arg Leu Ala Asp
            100                 105                 110

Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 237
<211> 129
<212> PRT
<213> Lama Glama

<400> 237

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Asp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asn Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Val Arg Leu Phe Ser Gly Gly Cys Ala Val Val Ala Gly Thr Ser
100 105 110

Trp Ala Asp Phe Gly Ser Ser Gly Gln Gly Thr Gln Val Thr Val Ser
115 120 125

Ser

<210> 238
<211> 123
<212> PRT
<213> Lama Glama

<400> 238

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Val Ile Ser Ser Gly Asp Arg Thr Asn Tyr Leu Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val His Glu Tyr Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 239
<211> 125
<212> PRT
<213> Lama Glama

<400> 239

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Gly Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Glu Tyr Tyr Ser Ala Tyr Cys Gly Val Asn Arg Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 240
<211> 127
<212> PRT
<213> Lama Glama

<400> 240

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ser Ser Gly Arg Thr Leu Leu Asn Tyr
20 25 30

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

Ser Gly Ile Asn Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Glu Asn Thr Val Tyr
65 70 75 80

Leu His Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Ala His Asp Asn Tyr Trp Phe Thr Asp Asp Ser Leu Gly Arg
100 105 110

Gly Leu Lys Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 241
<211> 120
<212> PRT
<213> Lama Glama

<400> 241

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg His Gln Ala Pro Gly Lys Gln Arg Glu Leu
35 40 45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Met Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Asn Thr Lys Thr Phe Gly Ser Asn Trp Tyr Asp Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 242
<211> 130
<212> PRT
<213> Lama Glama

<400> 242

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Arg Gly Gly Ser Thr Tyr Tyr Thr Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Gly Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Arg Tyr Tyr Ala Ser
100 105 110

Pro Glu Ala Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 243
<211> 130
<212> PRT
<213> Lama Glama

<400> 243

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ala Phe Thr Leu Asp Tyr Tyr
20 25 30

Ala Val Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ser Thr Tyr Tyr Glu Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Asn Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Phe His Asn Cys Tyr Ser Gly Ser His Tyr Ser Ser
100 105 110

Pro Glu Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 244
<211> 125
<212> PRT
<213> Lama Glama

<400> 244

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Asn Ser Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Glu Tyr Tyr Ser Asp Leu Cys Gly Val Asn Gly Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 245
<211> 125
<212> PRT
<213> Lama Glama

<400> 245

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

Asn Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val

35 40 45

Ser Cys Ile Ser Ser Ser Asp Gly Arg Thr Asn Tyr Val Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Met Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

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

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 246
<211> 123
<212> PRT
<213> Lama Glama

<400> 246

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Asn Gln Arg Glu Leu Val
35 40 45

Ala Val Ile Ser Ser Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Cys Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val His Glu Tyr Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 247
<211> 125
<212> PRT
<213> Lama Glama

<400> 247

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                  10                  15

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

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

Ser Cys Ile Thr Ser Ser Asn Gly Ser Thr Tyr Tyr Thr Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Pro Phe Ala His Tyr Ser Asp Leu Cys Gly Val Asn Gly Tyr
            100                 105                 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 248
<211> 117
<212> PRT
<213> Lama Glama

<400> 248

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Val Gly Ser Tyr
            20                  25                  30

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

Ser Ser Ile Asn Ser Gly Val Gly Lys Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Phe Arg Asp Asn Ala Lys Asn Met Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Asn Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Thr Glu Met Asp Gly Ser Arg Tyr Val Glu Gly Gln Gly Thr Gln
            100                 105                 110
```

Val Thr Val Ser Ser
115

<210> 249
<211> 117
<212> PRT
<213> Lama Glama

<400> 249

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Glu Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Thr Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Phe Asp Gly Ser Thr His Tyr Ala Glu Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Lys Asn Thr Val Ser Leu
65 70 75 80

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

Ser Val His Pro Ser Thr Gly Phe Gly Ser Trp Gly Gln Gly Thr Gln
100 105 110

Val Thr Val Ser Ser
115

<210> 250
<211> 123
<212> PRT
<213> Lama Glama

<400> 250

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Ser Thr Phe Thr Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Ala Ile Ser Ser Asp Asp Ser Thr Tyr Tyr Ala Asp Cys Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

Ala Pro His Ser Asp Tyr Asp Glu Glu Ala Pro Ser Asp Phe Gly Ser
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 251
<211> 129
<212> PRT
<213> Lama Glama

<400> 251

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Asp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asn Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Thr Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Val Arg Leu Phe Ser Gly Gly Cys Ala Val Val Ala Ser Thr Ser
100 105 110

Trp Ala Asp Phe Gly Ser Ser Gly Gln Gly Thr Gln Val Thr Val Ser
115 120 125

Ser

<210> 252
<211> 129
<212> PRT
<213> Lama Glama

<400> 252

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

```
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Ser Asn Asn Ala Lys Asn Arg Ala Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Val Arg Leu Phe Arg Gly Gly Cys Ala Val Val Ala Gly Thr Ser
            100                 105                 110

Trp Ala Asp Phe Gly Ser Ser Gly Gln Gly Thr Gln Val Thr Val Ser
        115                 120                 125

Ser
```

<210> 253
<211> 124
<212> PRT
<213> Lama Glama

<400> 253

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Tyr Asp Gly Thr Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Pro Leu Val Cys Gly Tyr Asn Asp Pro Arg Leu Ala Asp
            100                 105                 110

Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
```

115 120

<210> 254
<211> 130
<212> PRT
<213> Lama Glama

<400> 254

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Arg Gly Gly Ser Thr Tyr Tyr Glu Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Arg Tyr Tyr Ala Ser
100 105 110

Pro Asp Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 255
<211> 130
<212> PRT
<213> Lama Glama

<400> 255

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Arg Gly Ser Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

```
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Asn Gly Tyr Asp Ser
            100                 105                 110

Pro Glu Ala Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
        115                 120                 125

Ser Ser
    130
```

<210> 256
<211> 130
<212> PRT
<213> Lama Glama

<400> 256

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Pro Phe His Asn Cys Tyr Ser Gly Ser Ala Tyr Ser Ser
            100                 105                 110

Pro Glu Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
        115                 120                 125

Ser Ser
    130
```

<210> 257
<211> 119
<212> PRT
<213> Lama Glama

<400> 257

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Thr Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Asp Pro Gly Asn Gln Arg Glu Leu Val
35 40 45

Ala Ala Ile Ser Ser Asp Gly Ser Thr His Tyr Ala Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Pro Val Lys Val Ala Gly Leu Glu Tyr Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Gln Val Thr Val Ser Ser
115

<210> 258
<211> 120
<212> PRT
<213> Lama Glama

<400> 258

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Cys Ile Ser Gly Phe Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Ser Val Gly Ser Ser Trp Cys Ala Tyr Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 259
<211> 120
<212> PRT
<213> Lama Glama

<400> 259

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val
35 40 45

Ser Cys Ile Ser Ser Ser Asp Gly Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Arg Leu Lys Pro Glu Asp Thr Ala Ile Tyr Tyr Cys
85 90 95

Ala Leu Ser Leu Gly Ser Ser Trp Cys Ala Tyr Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 260
<211> 123
<212> PRT
<213> Lama Glama

<400> 260

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

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

Ser Cys Ile Ser Ser Ser Gly Gly Ser Thr Asp Tyr Leu Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Ser Leu Pro Cys Tyr Tyr Asp Lys Met Val Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 261
<211> 123
<212> PRT
<213> Lama Glama

<400> 261

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Lys Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Thr Ser Ser Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met His Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Ser Phe Ala Cys Asp Tyr Gly Lys Met Ile Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 262
<211> 120
<212> PRT
<213> Lama Glama

<400> 262

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Cys Ile Ser Gly Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met His Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Ser Leu Gly Ser Ser Trp Cys Ala Tyr Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 263
<211> 124
<212> PRT
<213> Lama Glama

<400> 263

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

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

Ser Cys Ile Ser Ser His Asp Gly Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Leu Val Cys Gly Tyr Asn Asp Pro Arg Leu Ala Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 264
<211> 123
<212> PRT

<213> Lama Glama

<400> 264

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Ala Ile Ser Asn Gly Gly Ser Thr Asn Tyr Val Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val His Glu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 265
<211> 125
<212> PRT
<213> Lama Glama

<400> 265

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Gly Arg Thr Asn Tyr Val Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Met Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Asn Tyr Tyr Ser Asn Leu Cys Gly Val Asn Gly Val

100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 266
<211> 130
<212> PRT
<213> Lama Glama

<400> 266

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Leu Asp Tyr Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Ile
35 40 45

Ser Cys Ile Ser Gly Arg Gly Gly Ser Thr Tyr Tyr Ile Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Ser His Tyr Tyr Ser
100 105 110

Pro Glu Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 267
<211> 130
<212> PRT
<213> Lama Glama

<400> 267

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1 5 10 15

Ser Leu Arg Leu Ala Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
20 25 30

Ala Val Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

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

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

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Ser Asp Tyr Ala Ser
100 105 110

Pro Glu Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 268
<211> 125
<212> PRT
<213> Lama Glama

<400> 268

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asp
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ala Cys Ile Arg Ser Ser Asp Gly Ser Thr Tyr Tyr Thr Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asn Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

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

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 269
<211> 123
<212> PRT
<213> Lama Glama

<400> 269

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Val Ile Ser Ser Gly Ser Val Thr Asn Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Ser Leu
65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val His Glu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 270
<211> 123
<212> PRT
<213> Lama Glama

<400> 270

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Arg Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Met Gly Ser Ser Val Arg Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Ala Pro Ile Phe Glu Cys Pro Ser Gly Glu Ile Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 271
<211> 130
<212> PRT
<213> Lama Glama

<400> 271

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Arg Gly Gly Ser Thr Tyr Tyr Thr Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Gly Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Thr Tyr Tyr Ala Ser
100 105 110

Pro Glu Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 272
<211> 130
<212> PRT
<213> Lama Glama

<400> 272

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
20 25 30

Ala Val Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

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Ser Cys Ile Ser Ser Arg Gly Gly Ser Thr Tyr Tyr Val Asp Ser Val
50 55 60

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

Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Ser Tyr Tyr Ala Ser
100 105 110

Pro Glu Ala Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 273
<211> 123
<212> PRT
<213> Lama Glama

<400> 273

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Val Ile Ser Ser Gly Asp Ser Thr Asn Tyr Ser Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val His Glu Tyr Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 274
<211> 123
<212> PRT
<213> Lama Glama

<400> 274

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Ser Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Val Ile Ser Ser Gly Asp Arg Thr Asn Tyr Leu Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val His Glu Tyr Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 275
<211> 125
<212> PRT
<213> Lama Glama

<400> 275

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Gly Ser Asp Gly Ser Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Ala Tyr Tyr Ser Asp Leu Cys Gly Val Asn Glu Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 276
<211> 125
<212> PRT
<213> Lama Glama

<400> 276

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Gly His
20 25 30

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

Ser Cys Ile Asn Ser Gly Asp Gly Ser Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Arg Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Asn His Tyr Ser Phe Leu Cys Gly Val Asn Glu Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 277
<211> 123
<212> PRT
<213> Lama Glama

<400> 277

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Ala
35 40 45

Ala Val Ile Ser Thr Gly Asp Asn Thr Asn Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu

65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr His Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Glu Val Tyr Glu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 278
<211> 123
<212> PRT
<213> Lama Glama

<400> 278

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Arg Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Val Pro Gly Asn Gln Arg Glu Leu Val
35 40 45

Ala Val Ile Ser Ser Gly Asp Ser Ala Asn Tyr Ala Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val His Glu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 279
<211> 125
<212> PRT
<213> Lama Glama

<400> 279

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Asn Ser Ser Asp Gly Thr Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Pro Phe Glu Tyr Tyr Ser Asp Leu Cys Gly Val Asn Gly Tyr
            100                 105                 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 280
<211> 130
<212> PRT
<213> Lama Glama

<400> 280

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Gly Ala Ser Gly Phe Ser Leu Asp Tyr Tyr
            20                  25                  30

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Pro Ile His Asn Cys Tyr Gly Gly Ser Tyr Tyr Ala Ser
            100                 105                 110

Pro Glu Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
        115                 120                 125

Ser Ser
    130
```

<210> 281
<211> 120
<212> PRT
<213> Lama Glama

<400> 281

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Ile Ala Gly Ala Ser Ser Trp Cys Phe Pro Pro Gly Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 282
<211> 130
<212> PRT
<213> Lama Glama

<400> 282

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
20 25 30

Ala Val Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

Ser Cys Ile Ser Ser Arg Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

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

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

```
Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Ile Tyr Tyr Ala Ser
            100                 105                 110

Pro Glu Ala Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
        115                 120                 125

Ser Ser
    130
```

<210> 283
<211> 123
<212> PRT
<213> Lama Glama

<400> 283

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Val Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Val Ile Ser Asn Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys
    50                  55                  60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Phe
                85                  90                  95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val His Glu Tyr Asp Tyr
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 284
<211> 130
<212> PRT
<213> Lama Glama

<400> 284

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
            20                  25                  30
```

```
Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
        35                  40                  45

Ser Cys Ile Ser Ser Arg Gly Gly Ser Thr Tyr Tyr Glu Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Arg Tyr Tyr Ala Ser
            100                 105                 110

Pro Asp Ala Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
        115                 120                 125

Ser Ser
    130
```

<210> 285
<211> 125
<212> PRT
<213> Lama Glama

<400> 285

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Glu Phe Thr Leu Asp His Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr Gly Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Lys Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

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

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 286

<211> 123
<212> PRT
<213> Lama Glama

<400> 286

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Val Ile Ser Ser Gly Asp Ser Thr Asn Tyr Ala Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Ser Asp Val His Glu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 287
<211> 125
<212> PRT
<213> Lama Glama

<400> 287

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ser Thr Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

```
Ala Ala Pro Phe Ser Tyr Tyr Ser Gly Leu Cys Gly Val Asn Gly Val
            100                 105                 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 288
<211> 120
<212> PRT
<213> Lama Glama

<400> 288

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Gly Val Tyr
            20                  25                  30

Ala Thr Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val
        35                  40                  45

Ser Cys Ile Ser Gly Ser Asp Gly Ser Thr Trp Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Pro Lys Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Leu Ser Leu Gly Ser Ser Trp Cys Ala Tyr Asp Tyr Trp Gly Gln
            100                 105                 110

Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 289
<211> 130
<212> PRT
<213> Lama Glama

<400> 289

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
            20                  25                  30

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

Ser Cys Ile Ser Gly Arg Gly Gly Ser Thr Tyr Tyr Thr Asp Ser Val
```

50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Gly Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Val His Asn Cys Tyr Ser Gly Arg Tyr Tyr Ala Ser
100 105 110

Pro Asp Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 290
<211> 123
<212> PRT
<213> Lama Glama

<400> 290

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Val Ile Ser Asn Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Ile Cys Phe
85 90 95

Tyr Ser Gly Ser Tyr Tyr Tyr Pro Thr Asp Val His Glu Tyr Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 291
<211> 125
<212> PRT
<213> Lama Glama

<400> 291

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr His
            20                  25                  30

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

Ser Cys Ile Ser Ser Ser Gly Gly Ser Thr Ala Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

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

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
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<210> 292
<211> 130
<212> PRT
<213> Lama Glama

<400> 292

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Arg Gly Ala Ser Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Asn Gly Tyr Asp Ser
            100                 105                 110
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Pro Glu Ala Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 293
<211> 125
<212> PRT
<213> Lama Glama

<400> 293

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu His Tyr Tyr
20 25 30

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

Ser Cys Ile Asn Ser Ser Asp Gly Ser Thr His Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Glu Tyr Tyr Ser Asp Leu Cys Gly Val Asn Gly Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 294
<211> 125
<212> PRT
<213> Lama Glama

<400> 294

Lys Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Asn Ser Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Glu Tyr Tyr Ser Asn Leu Cys Gly Val Asn Gly Tyr
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 295
<211> 130
<212> PRT
<213> Lama Glama

<400> 295

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Lys Tyr
20 25 30

Ser Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ser Thr Tyr Tyr Val Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Asn Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Leu His Asn Cys Tyr Ser Gly Arg Gly Tyr Tyr Ser
100 105 110

Pro Glu Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 296
<211> 130
<212> PRT
<213> Lama Glama

<400> 296

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Arg Gly Gly Ser Thr Tyr Tyr Thr Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Gly Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Pro Ile His Asn Cys Tyr Ser Gly Ser Tyr Tyr Ala Ser
100 105 110

Pro Glu Ala Val Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
115 120 125

Ser Ser
130

<210> 297
<211> 125
<212> PRT
<213> Lama Glama

<400> 297

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Asn Ser Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Phe Glu Tyr Tyr Ser Asn Leu Cys Gly Val Asn Gly Tyr

100 105 110

Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 298
<211> 120
<212> PRT
<213> Lama Glama

<400> 298

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Ser Ile Thr Tyr Asp Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 299
<211> 120
<212> PRT
<213> Lama Glama

<400> 299

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Thr Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 300
<211> 120
<212> PRT
<213> Lama Glama

<400> 300

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

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

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Thr Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 301
<211> 120
<212> PRT
<213> Lama Glama

<400> 301

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asp Val Tyr

20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Ser Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

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

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 302
<211> 120
<212> PRT
<213> Lama Glama

<400> 302

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Glu Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Thr Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 303
<211> 126

<212> PRT
<213> Lama Glama

<400> 303

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Thr Ser Glu Arg Thr Val Ser Arg Tyr
20 25 30

Ser Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Ala Val
35 40 45

Ala Thr Ile Ser Trp Ser Gly Asp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Ile Asp Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Ala Lys Pro Asn Leu Lys Tyr Gly Ser Tyr Trp Pro Pro Arg Gly
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 304
<211> 126
<212> PRT
<213> Lama Glama

<400> 304

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Thr Ser Glu Arg Thr Val Ser Arg Tyr
20 25 30

Ser Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Ala Val
35 40 45

Ala Thr Ile Ser Trp Ser Gly Asp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Asn Met Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Ala Lys Pro Asn Leu Lys Tyr Gly Ser Thr Trp Pro Pro Arg Gly
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 305
<211> 126
<212> PRT
<213> Lama Glama

<400> 305

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Thr Ser Glu Arg Ala Val Ser Arg Tyr
20 25 30

Thr Met Gly Trp Leu Arg Gln Ala Pro Gly Lys Glu Arg Glu Ala Val
35 40 45

Ala Thr Ile Ser Trp Ser Gly Asp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Asp Tyr Tyr Cys
85 90 95

Ala Ala Lys Pro Asn Leu Lys Tyr Gly Ser Tyr Trp Pro Pro Arg Gly
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 306
<211> 126
<212> PRT
<213> Lama Glama

<400> 306

Glu Val Gln Leu Val Lys Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Thr Ser Glu Arg Thr Val Ser Arg Tyr
20 25 30

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

Ala Thr Ile Ser Trp Ser Gly Asp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Lys Pro Asn Leu Lys Tyr Gly Ser Asp Trp Pro Pro Arg Gly
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 307
<211> 117
<212> PRT
<213> Lama Glama

<400> 307

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Met Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Glu Thr Arg Thr Ser Arg Ser Pro Arg Pro Arg Gly Gln Gly Thr Gln
100 105 110

Val Thr Val Ser Ser
115

<210> 308
<211> 124
<212> PRT
<213> Lama Glama

<400> 308

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Arg Tyr
20 25 30

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

Ala Ala Ile Asn Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Asp Cys
85 90 95

Ala Ala Ser Asn Tyr Tyr Ser Val Tyr Asp Asp Arg Pro Val Met Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 309
<211> 116
<212> PRT
<213> Lama Glama

<400> 309

Glu Val Gln Leu Met Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ala Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Val Ile Ser Pro Asp Gly Ser Asn Thr Tyr Tyr Ala Asp Thr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Gly Asn Ala Lys Asn Thr Leu Phe
65 70 75 80

Leu Gln Met Thr Gly Leu Lys Ser Glu Asp Ala Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Ser Gly Ser Trp Gly Val His Gly Gln Gly Thr Gln Val
100 105 110

Thr Val Ser Ser
115

<210> 310

<211> 128
<212> PRT
<213> Lama Glama

<400> 310

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Val Lys Asn Thr Val Tyr
65 70 75 80

Leu Arg Met Asn Ser Leu Lys Pro Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asn Glu Gly Tyr Cys Ser Gly Tyr Gly Cys Tyr Glu Asp Ser
100 105 110

Gly Gln Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 311
<211> 128
<212> PRT
<213> Lama Glama

<400> 311

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Val Lys Asn Thr Val Tyr
65 70 75 80

Leu Arg Met Asn Ser Leu Lys Pro Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asn Glu Gly Tyr Cys Ser Gly Tyr Gly Cys Tyr Glu Asp Ser
100 105 110

Gly Gln Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 312
<211> 121
<212> PRT
<213> Lama Glama

<400> 312

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Gly Thr Phe Thr Thr Tyr
20 25 30

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

Ala Ala Val Ser Arg Phe Gly Val Ser Trp Asp Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Ala Asn Thr Leu Lys
65 70 75 80

Leu Arg Met Asn Ser Leu Lys Ala Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Gly Gly Arg Ser Phe Leu Pro Phe Val Pro Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 313
<211> 128
<212> PRT
<213> Lama Glama

<400> 313

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

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

Ala Gly Ile Ser Arg Tyr Ala Asp Tyr Thr Gly Tyr Ala Asp Ser Val

50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Val Lys Asn Thr Val Tyr
65 70 75 80

Leu Arg Met Asn Ser Leu Lys Pro Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asn Glu Gly Tyr Cys Ser Gly Tyr Gly Cys Tyr Glu Asp Ser
100 105 110

Gly Gln Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 314
<211> 126
<212> PRT
<213> Lama Glama

<400> 314

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Leu Tyr Ile Met
20 25 30

Gly Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Gly
35 40 45

Ile Ser Arg Tyr Gly Asp Ile Thr Tyr Ala Ala Asp Ser Val Lys Gly
50 55 60

Arg Phe Thr Ile Ser Arg Asp Ser Val Lys Asn Thr Val Tyr Leu Arg
65 70 75 80

Met Asn Ser Leu Lys Pro Asp Asp Thr Ala Val Tyr Tyr Cys Ala Ala
85 90 95

Asn Gly Gly Tyr Cys Ser Gly Tyr Gly Cys Tyr Glu Asp Ser Gly Gln
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 315
<211> 120
<212> PRT
<213> Lama Glama

<400> 315

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Thr Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 316
<211> 120
<212> PRT
<213> Lama Glama

<400> 316

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Glu Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Thr Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 317
<211> 120
<212> PRT
<213> Lama Glama

<400> 317

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Phe Ser Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Thr Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 318
<211> 123
<212> PRT
<213> Lama Glama

<400> 318

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ile Pro Arg Gly Trp Gly Pro Thr Gly Pro Ile Glu Tyr Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 319
<211> 123
<212> PRT
<213> Lama Glama

<400> 319

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ile Pro Arg Gly Trp Gly Pro Thr Gly Pro Ile Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 320
<211> 123
<212> PRT
<213> Lama Glama

<400> 320

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Gly Val Tyr Ser Cys
85 90 95

Ala Ile Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 321
<211> 123
<212> PRT
<213> Lama Glama

<400> 321

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ser Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ile Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 322
<211> 121
<212> PRT
<213> Lama Glama

<400> 322

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

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

Ala Ala Ile Asn Trp Ser Gly Gly Tyr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Pro Ala Pro Gly Ser Ser Gly Tyr Glu Tyr Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 323
<211> 120
<212> PRT
<213> Lama Glama

<400> 323

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asp Val Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Ser Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Ser Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 324
<211> 123
<212> PRT
<213> Lama Glama

<400> 324

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg His Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ile Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 325
<211> 123
<212> PRT
<213> Lama Glama

<400> 325

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Phe
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys

85 90 95

Ala Ile Pro Arg Gly Trp Gly Pro Thr Gly Pro Leu Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 326
<211> 123
<212> PRT
<213> Lama Glama

<400> 326

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 327
<211> 123
<212> PRT
<213> Lama Glama

<400> 327

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

```
Ser Ala Ile Asn Ser Gly Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Ala Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Asn Leu Gln Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Thr Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 328
<211> 123
<212> PRT
<213> Lama Glama

<400> 328

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
            20                  25                  30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
        35                  40                  45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ile Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 329
<211> 123
<212> PRT
<213> Lama Glama

<400> 329

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
```

1 5 10 15

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

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 330
<211> 123
<212> PRT
<213> Lama Glama

<400> 330

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ile Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 331
<211> 123
<212> PRT
<213> Lama Glama

<400> 331

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Arg Pro Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Gly Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 332
<211> 123
<212> PRT
<213> Lama Glama

<400> 332

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

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Leu Gln Met Asn Asn Leu Lys Pro Glu Asp Thr Ala Val Tyr Ser Cys
85 90 95

Ala Ile Pro Arg Gly Trp Gly Pro Thr Gly Pro His Glu Tyr Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 333
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 333

Arg Ala Pro Asp Thr Arg Leu Arg Pro Tyr Leu Tyr Asp Tyr
1 5 10

<210> 334
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 334

Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Glu Tyr Asp His
1 5 10

<210> 335
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 335

Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
1 5 10

<210> 336
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 336

Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Leu Tyr Asp His
1 5 10

<210> 337
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 337

Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Leu Tyr Asp Tyr
1 5 10

<210> 338
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 338

Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Leu Tyr Asp Tyr
1 5 10

<210> 339
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 339

Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
1 5 10

<210> 340
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 340

Arg Ala Pro Asp Thr Arg Leu Arg Pro Tyr Leu Tyr Asp Tyr
1 5 10

<210> 341
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 341

Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Leu Tyr Asp His
1 5 10

<210> 342
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 342

Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Glu Tyr Asp His
1 5 10

<210> 343
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 343

Arg Ala Pro Asp Thr Arg Leu Arg Pro Tyr Glu Tyr Asp Tyr
1 5 10

<210> 344
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 344

Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Leu Tyr Asp His
1 5 10

<210> 345
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 345

Arg Ala Pro Asp Thr Arg Leu Gly Pro Tyr Leu Tyr Asp Tyr
1 5 10

<210> 346
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 346

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Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Glu Tyr Asp Tyr
1 5 10

<210> 347
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 347

Arg Ala Pro Asp Thr Arg Leu Gly Pro Tyr Leu Tyr Asp His
1 5 10

<210> 348
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 348

Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Leu Tyr Asp His
1 5 10

<210> 349
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 349

Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Leu Tyr Asp Tyr
1 5 10

<210> 350
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 350

Arg Ala Pro Asp Thr Arg Leu Arg Pro Tyr Leu Tyr Asp His
1 5 10

<210> 351
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 351

Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Leu Tyr Asp His
1 5 10

<210> 352
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 352

Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Glu Tyr Asp His
1 5 10

<210> 353
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 353

Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp Tyr
1 5 10

<210> 354
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 354

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Arg Pro Tyr Leu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 355
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 355

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Ser Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Glu Tyr Asp His
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 356
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 356

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 357
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 357

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Gln Ser Arg Phe Thr Ile Thr Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Leu Tyr Asp His
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 358
<211> 123

<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 358

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Leu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 359
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 359

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Phe Arg Gln Ala Pro Gly Lys Asp Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Leu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 360
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 360

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Pro Asp Ser Val
50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 361
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 361

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

```
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Arg Pro Tyr Leu Tyr Asp Tyr
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 362
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 362

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Glu Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Leu Tyr Asp His
            100                 105                 110
```

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 363
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 363

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Gln Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Glu Tyr Asp His
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 364
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 364

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

```
Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
     50                  55                  60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Arg Pro Tyr Glu Tyr Asp Tyr
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 365
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 365

```
Glu Val Gln Leu Val Glu Ser Arg Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Leu Tyr Asp His
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 366
<211> 123
<212> PRT
<213> Artificial

<220>

<223> Mutated Lama sequence

<400> 366

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Leu Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Gly Pro Tyr Leu Tyr Asp Tyr
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 367
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 367

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
```

```
Ala Asn Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Glu Tyr Asp Tyr
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 368
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 368

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Gly Pro Tyr Leu Tyr Asp His
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 369
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 369

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30
```

```
Ala Met Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Tyr Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Leu Tyr Asp His
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 370
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 370

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Leu Tyr Asp Tyr
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 371
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 371

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Arg Pro Tyr Leu Tyr Asp His
            100                 105                 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 372
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 372

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Glu Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60
```

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Leu Tyr Asp His
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 373
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 373

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Glu Pro Tyr Glu Tyr Asp His
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 374
<211> 123
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 374

eolf-seql

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 375
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 375

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Gln
1 5 10 15

Tyr Asp Tyr

<210> 376
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 376

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 377
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 377

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Val
1 5 10 15

Tyr Asp Tyr

<210> 378
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 378

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Gln
1 5 10 15

Tyr Asp Tyr

<210> 379
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 379

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Val
1 5 10 15

Tyr Asp Tyr

<210> 380
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 380

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Gln
1 5 10 15

Tyr Asp Tyr

<210> 381
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 381

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 382
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 382

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 383
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 383

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 384
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 384

eolf-seql

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 385
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 385

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Gln
1 5 10 15

Tyr Asp Tyr

<210> 386
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 386

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Glu
1 5 10 15

Tyr Asp Tyr

<210> 387
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 387

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 388
<211> 19
<212> PRT
<213> Artificial

<220>

<223> Mutated Lama sequence

<400> 388

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Asp Tyr Trp Gly Ala Tyr Val
1 5 10 15

Tyr Asp Tyr

<210> 389
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 389

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Asp Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 390
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 390

Asp Arg Tyr Ile Arg Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 391
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 391

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 392
<211> 19

<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 392

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Glu
1 5 10 15

Tyr Asp Tyr

<210> 393
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 393

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 394
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 394

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Gln
1 5 10 15

Tyr Asp Tyr

<210> 395
<211> 19
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 395

Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala Tyr Ala
1 5 10 15

Tyr Asp Tyr

<210> 396
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 396

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Gln Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 397
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 397

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 398
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 398

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 399
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 399

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Gln Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 400
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 400

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

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Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 401
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 401

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Gln Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 402
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 402

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 403
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 403

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 404
<211> 128

<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 404

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 405
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 405

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ser Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

```
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
            100                 105                 110

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 406
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 406

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
        35                  40                  45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Tyr Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
            100                 105                 110

Tyr Gln Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 407
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 407

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15
```

```
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
            20                  25                  30

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
        35                  40                  45

Ser Ser Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Tyr Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
            100                 105                 110

Tyr Glu Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 408
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 408

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
        35                  40                  45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
            100                 105                 110
```

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 409
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 409

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Leu Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Asp Tyr Trp Gly Ala
100 105 110

Tyr Val Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 410
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 410

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Asp Tyr Trp Gly Ala
100 105 110

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 411
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 411

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Arg Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 412
<211> 128
<212> PRT
<213> Artificial

<220>

<223> Mutated Lama sequence

<400> 412

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                  10                  15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
        35                  40                  45

Ser Ser Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Phe Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
            100                 105                 110

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 413
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 413

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                  10                  15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
        35                  40                  45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Tyr Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
```

```
Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
            100                 105                 110

Tyr Glu Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 414
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 414

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
        35                  40                  45

Ser Ser Ile Asn Ser Gly Gly Gly Ser Thr Phe Tyr Thr Asp Phe Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
            100                 105                 110

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 415
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 415

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
            20                  25                  30
```

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Thr Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asn Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Gln Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 416
<211> 128
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 416

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

Asp Met Ser Trp Val Arg Arg Ser Pro Gly Lys Gly Pro Glu Trp Val
35 40 45

Ser Ala Ile Asn Ser Gly Gly Gly Ser Thr Tyr Tyr Ala Asp Tyr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Asp Arg Tyr Ile Trp Ala Arg Gln Gly Glu Tyr Trp Gly Ala
100 105 110

Tyr Ala Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 417
<211> 687
<212> PRT
<213> Homo sapiens

<400> 417

His Met Met Ala Ala Ala Ser Arg Ser Ala Ser Gly Trp Ala Leu Leu
1 5 10 15

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

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

Gly Arg Pro Cys Glu Pro Gly Cys Arg Thr Phe Phe Arg Val Cys Leu
50 55 60

Lys His Phe Gln Ala Val Val Ser Pro Gly Pro Cys Thr Phe Gly Thr
65 70 75 80

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

Ser Ser Gly Gly Gly Arg Asn Pro Leu Gln Leu Pro Phe Asn Phe Thr
100 105 110

Trp Pro Gly Thr Phe Ser Leu Ile Ile Glu Ala Trp His Ala Pro Gly
115 120 125

Asp Asp Leu Arg Pro Glu Ala Leu Pro Pro Asp Ala Leu Ile Ser Lys
130 135 140

Ile Ala Ile Gln Gly Ser Leu Ala Val Gly Gln Asn Trp Leu Leu Asp
145 150 155 160

Glu Gln Thr Ser Thr Leu Thr Arg Leu Arg Tyr Ser Tyr Arg Val Ile
165 170 175

Cys Ser Asp Asn Tyr Tyr Gly Asp Asn Cys Ser Arg Leu Cys Lys Lys
180 185 190

Arg Asn Asp His Phe Gly His Tyr Val Cys Gln Pro Asp Gly Asn Leu
195 200 205

Ser Cys Leu Pro Gly Trp Thr Gly Glu Tyr Cys Gln Gln Pro Ile Cys
210 215 220

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

Cys Leu Cys Arg Pro Gly Trp Gln Gly Arg Leu Cys Asn Glu Cys Ile

245 250 255

Pro His Asn Gly Cys Arg His Gly Thr Cys Ser Thr Pro Trp Gln Cys
260 265 270

Thr Cys Asp Glu Gly Trp Gly Gly Leu Phe Cys Asp Gln Asp Leu Asn
275 280 285

Tyr Cys Thr His His Ser Pro Cys Lys Asn Gly Ala Thr Cys Ser Asn
290 295 300

Ser Gly Gln Arg Ser Tyr Thr Cys Thr Cys Arg Pro Gly Tyr Thr Gly
305 310 315 320

Val Asp Cys Glu Leu Glu Leu Ser Glu Cys Asp Ser Asn Pro Cys Arg
325 330 335

Asn Gly Gly Ser Cys Lys Asp Gln Glu Asp Gly Tyr His Cys Leu Cys
340 345 350

Pro Pro Gly Tyr Tyr Gly Leu His Cys Glu His Ser Thr Leu Ser Cys
355 360 365

Ala Asp Ser Pro Cys Phe Asn Gly Gly Ser Cys Arg Glu Arg Asn Gln
370 375 380

Gly Ala Asn Tyr Ala Cys Glu Cys Pro Pro Asn Phe Thr Gly Ser Asn
385 390 395 400

Cys Glu Lys Lys Val Asp Arg Cys Thr Ser Asn Pro Cys Ala Asn Gly
405 410 415

Gly Gln Cys Leu Asn Arg Gly Pro Ser Arg Met Cys Arg Cys Arg Pro
420 425 430

Gly Phe Thr Gly Thr Tyr Cys Glu Leu His Val Ser Asp Cys Ala Arg
435 440 445

Asn Pro Cys Ala His Gly Gly Thr Cys His Asp Leu Glu Asn Gly Leu
450 455 460

Met Cys Thr Cys Pro Ala Gly Phe Ser Gly Arg Arg Cys Glu Val Arg
465 470 475 480

Thr Ser Ile Asp Ala Cys Ala Ser Ser Pro Cys Phe Asn Arg Ala Thr
485 490 495

Cys Tyr Thr Asp Leu Ser Thr Asp Thr Phe Val Cys Asn Cys Pro Tyr
500 505 510

Gly Phe Val Gly Ser Arg Cys Glu Phe Pro Val Gly Leu Pro Pro Ser

515 520 525

Phe Pro Trp Val Ala Val Ser Leu Gly Val Gly Leu Ala Val Leu Leu
530 535 540

Val Leu Leu Gly Met Val Ala Val Ala Val Arg Gln Leu Arg Leu Arg
545 550 555 560

Arg Pro Asp Asp Gly Ser Arg Glu Ala Met Asn Asn Leu Ser Asp Phe
565 570 575

Gln Lys Asp Asn Leu Ile Pro Ala Ala Gln Leu Lys Asn Thr Asn Gln
580 585 590

Lys Lys Glu Leu Glu Val Asp Cys Gly Leu Asp Lys Ser Asn Cys Gly
595 600 605

Lys Gln Gln Asn His Thr Leu Asp Tyr Asn Leu Ala Pro Gly Pro Leu
610 615 620

Gly Arg Gly Thr Met Pro Gly Lys Phe Pro His Ser Asp Lys Ser Leu
625 630 635 640

Gly Glu Lys Ala Pro Leu Arg Leu His Ser Glu Lys Pro Glu Cys Arg
645 650 655

Ile Ser Ala Ile Cys Ser Pro Arg Asp Ser Met Tyr Gln Ser Val Cys
660 665 670

Leu Ile Ser Glu Glu Arg Asn Glu Cys Val Ile Ala Thr Glu Val
675 680 685

<210> 418
<211> 707
<212> PRT
<213> Macaca mulatta

<400> 418

Met Ala Cys Ala Cys Ala Met Leu Ala Thr Thr Ala Arg His Glu Ser
1 5 10 15

Ser Met Asn Lys Glu Tyr Met Ala Ala Ala Ser Trp Ser Ala Ser Gly
20 25 30

Trp Ala Leu Leu Leu Leu Val Ala Leu Trp Gln Gln Arg Ala Ala Gly
35 40 45

Ser Gly Val Phe Gln Leu Gln Leu Gln Glu Phe Val Asn Glu Arg Gly
50 55 60

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

```
Arg Val Cys Leu Lys His Phe Gln Ala Val Val Ser Pro Gly Pro Cys
                85                  90                  95

Thr Phe Gly Ser Val Ser Thr Pro Val Leu Gly Thr Asn Ser Phe Ala
            100                 105                 110

Val Arg Asp Asp Ser Ser Gly Gly Gly Arg Asn Pro Leu Gln Leu Pro
        115                 120                 125

Phe Asn Phe Thr Trp Pro Gly Thr Phe Ser Leu Ile Ile Glu Ala Trp
    130                 135                 140

His Ala Pro Gly Asp Asp Leu Arg Pro Glu Ala Leu Pro Pro Asp Ala
145                 150                 155                 160

Leu Ile Ser Lys Ile Ala Ile Gln Gly Ser Leu Ala Val Gly Gln Asn
                165                 170                 175

Trp Leu Leu Asp Glu Gln Thr Ser Thr Leu Thr Arg Leu Arg Tyr Ser
            180                 185                 190

Tyr Arg Val Ile Cys Ser Asp Asn Tyr Tyr Gly Asp Asn Cys Ser Arg
        195                 200                 205

Leu Cys Lys Lys Arg Asn Asp His Phe Gly His Tyr Val Cys Gln Pro
    210                 215                 220

Asp Gly Asn Leu Ser Cys Leu Pro Gly Trp Thr Gly Glu Tyr Cys Gln
225                 230                 235                 240

Gln Pro Ile Cys Leu Ser Gly Cys His Glu Gln Asn Gly Tyr Cys Ser
                245                 250                 255

Lys Pro Ala Glu Cys Leu Cys Arg Pro Gly Trp Gln Gly Arg Leu Cys
            260                 265                 270

Asn Glu Cys Ile Pro His Asn Gly Cys Arg His Gly Thr Cys Ser Thr
        275                 280                 285

Pro Trp Gln Cys Thr Cys Asp Glu Gly Trp Gly Gly Leu Phe Cys Asp
    290                 295                 300

Gln Asp Leu Asn Tyr Cys Thr His His Ser Pro Cys Lys Asn Gly Ala
305                 310                 315                 320

Thr Cys Ser Asn Ser Gly Gln Arg Ser Tyr Thr Cys Thr Cys Arg Pro
                325                 330                 335

Gly Tyr Thr Gly Val Asp Cys Glu Leu Glu Leu Ser Glu Cys Asp Ser
            340                 345                 350
```

Asn Pro Cys Arg Asn Gly Gly Ser Cys Lys Asp Gln Glu Asp Gly Tyr
355 360 365

His Cys Leu Cys Pro Pro Gly Tyr Tyr Gly Leu His Cys Glu His Ser
370 375 380

Thr Leu Ser Cys Ala Asp Ser Pro Cys Phe Asn Gly Gly Ser Cys Arg
385 390 395 400

Glu Arg Asn Gln Gly Ala Ser Tyr Ala Cys Glu Cys Pro Pro Asn Phe
405 410 415

Thr Gly Ser Asn Cys Glu Lys Lys Val Asp Arg Cys Thr Ser Asn Pro
420 425 430

Cys Ala Asn Gly Gly Gln Cys Leu Asn Arg Gly Pro Ser Arg Met Cys
435 440 445

Arg Cys Arg Pro Gly Phe Thr Gly Thr Tyr Cys Glu Arg His Val Ser
450 455 460

Asp Cys Ala Arg Asn Pro Cys Ala His Gly Gly Thr Cys His Asp Leu
465 470 475 480

Glu Ser Gly Leu Met Cys Thr Cys Pro Ala Gly Phe Ser Gly Arg Arg
485 490 495

Cys Glu Val Arg Thr Ser Ile Asp Ala Cys Ala Ser Ser Pro Cys Phe
500 505 510

Asn Arg Ala Thr Cys Tyr Thr Asp Leu Ser Thr Asp Thr Phe Val Cys
515 520 525

Asn Cys Pro Tyr Gly Phe Val Gly Ser Arg Cys Glu Phe Pro Val Gly
530 535 540

Leu Pro Pro Ser Phe Pro Trp Val Ala Val Ser Leu Gly Val Gly Leu
545 550 555 560

Ala Val Leu Leu Val Leu Leu Gly Met Val Ala Val Ala Val Arg Gln
565 570 575

Leu Arg Leu Arg Arg Pro Asp Asp Gly Ser Arg Glu Ala Met Asn Asn
580 585 590

Leu Ser Asp Phe Gln Lys Asp Asn Leu Ile Pro Ala Ala Gln Leu Lys
595 600 605

Asn Thr Asn Gln Lys Lys Glu Leu Glu Val Asp Cys Gly Leu Asp Lys
610 615 620

Ser Asn Cys Gly Lys Gln Gln Asn His Thr Leu Asp Tyr Asn Leu Ala
625 630 635 640

Pro Gly Pro Leu Gly Arg Gly Thr Met Pro Gly Lys Phe Pro His Ser
645 650 655

Asp Lys Ser Leu Gly Glu Lys Ala Pro Leu Arg Leu His Ser Glu Lys
660 665 670

Pro Glu Cys Arg Ile Ser Ala Ile Cys Ser Pro Arg Asp Ser Met Tyr
675 680 685

Gln Ser Val Cys Leu Ile Ser Glu Glu Arg Asn Glu Cys Val Ile Ala
690 695 700

Thr Glu Val
705

<210> 419
<211> 472
<212> PRT
<213> Homo sapiens

<400> 419

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr Asp Asn
20 25 30

Trp Ile Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

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

Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr
65 70 75 80

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

Ala Arg Asp Asn Phe Gly Gly Tyr Phe Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser Gly Glu Trp Ile Leu Cys Ala Trp Ala Gln
115 120 125

Leu Cys Pro Thr Pro Arg Ser His Gly Thr Thr Ser Leu Ala Ala Ser
130 135 140

```
Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr
145                 150                 155                 160

Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro
                165                 170                 175

Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val
            180                 185                 190

His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser
        195                 200                 205

Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile
    210                 215                 220

Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val
225                 230                 235                 240

Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
                245                 250                 255

Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
            260                 265                 270

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
        275                 280                 285

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
    290                 295                 300

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
305                 310                 315                 320

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
                325                 330                 335

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
            340                 345                 350

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
        355                 360                 365

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr
    370                 375                 380

Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
385                 390                 395                 400

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
                405                 410                 415
```

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
420 425 430

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
435 440 445

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
450 455 460

Ser Leu Ser Leu Ser Pro Gly Lys
465 470

<210> 420
<211> 115
<212> PRT
<213> Homo sapiens

<400> 420

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Val Ser Thr Ala
20 25 30

Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ser Ala Ser Phe Leu Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Thr Tyr Tyr Cys Gln Gln Ser Tyr Thr Gly Thr
85 90 95

Val Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Glu Trp Ile
100 105 110

His Leu Gly
115

<210> 421
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 421
gcgaacagag ccagattgag g 21

<210> 422
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 422
ggatgtccag gtaggctcct g 21

<210> 423
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 423
gagcgacatc cctaacaagc 20

<210> 424
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 424
cctcaactct gttcccttgg 20

<210> 425
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 425
gcgaacagag ccagattcag g 21

<210> 426
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 426
ccagacagac acccaaaggt 20

<210> 427
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 427
gaggtgcaat tggtggagtc tgggggtggt ctggttcagg ctggt 45

<210> 428
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 428
tcctgcgcag cttctggtcg taccttctcc agctacgcga tggct 45

<210> 429
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 429
ccaggcaaag aacgcgagtw cgtagccgca atccgttgga gcggt 45

<210> 430
<211> 44
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 430
ctgattccgt tcagggtcgt ttcaccatct ctcgtgacaa cgcg 44

<210> 431
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 431
ctgcagatga actctctgaa accggaagat acggcagtct actac 45

<210> 432
<211> 46
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 432
gacactcgtc tgcgtccgta cctgtacgac yattggggtc agggta 46

<210> 433
<211> 46
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 433
gacactcgtc tggvaccgta cctgtacgac yattggggtc agggta 46

<210> 434
<211> 46
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 434
gacactcgtc tgcgtccgta cgagtacgac yattggggtc agggta 46

<210> 435
<211> 46
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 435
gacactcgtc tggvaccgta cgagtacgac yattggggtc agggta 46

<210> 436
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 436
cagacgagtg tccggcgcac ggtttgcaca gtagtagact gccgt 45

<210> 437
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 437
cagacgagtg tctrccgcac ggtttgcaca gtagtagact gccgt 45

<210> 438
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 438
agagttcatc tgcagataga cggtgttttt cgcgttgtca cgaga 45

<210> 439
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 439
ctgaacggaa tcagsgtaat acgcagttyc accgctccaa cggat 45

<210> 440
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 440
gcgttctttg cctggagcct gacgawacca agccatcgcg tagct 45

<210> 441
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 441
agaagctgcg caggacagac ggagagagcc accagcctga accag 45

<210> 442
<211> 35
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 442
tgaggagacg gtgacctggg tcccctgacc ccaat 35

<210> 443
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 443
gaggtgcaat tggtggagtc tgggggtggt ctggttcagc caggt 45

<210> 444
<211> 32
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 444
tgaggagacg gtgacctggg tcccctgacc cc 32

<210> 445
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 445
gtgcagcttc cggctttacg wtcggctcct acgacatgtc ttggg 45

<210> 446
<211> 49
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 446
acgcacccca gtattcaccc tgacgcgccc aaatgtagcg atctgcagc 49

<210> 447
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 447
aggtccggaa tgggtgtcck ctatcaactc tggtggtggt agcac 45

<210> 448
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 448
tcttccggtt tcaggctgtt catctgcagg tacagcgtgt ttttg 45

<210> 449
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 449
aaaggtcgtt tcaccatctc tcgtgacaac gccaaaaaca cgctg 45

<210> 450
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 450
tgaaacgacc ttttwcgwag tcggygtagw aggtgctacc accac 45

<210> 451
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 451
tgaaaccgga agataccgcg gtatactact gcgctgcaga tcgct 45

<210> 452
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 452
ccattccgga cctttacccg gagaacgacg aacccaagac atgtc 45

<210> 453
<211> 41
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 453
tactggggtg cgtacghata cgactactgg ggtcagggta c 41

<210> 454
<211> 41
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 454
tactggggtg cgtaccagta cgactactgg ggtcagggta c 41

<210> 455
<211> 45
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 455
ccggaagctg cacagctcag acgcagagaa ccacctggct gaacc 45

<210> 456
<211> 49
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 456
acgcacccca gtagtaaccc tgacgcgccc raatgtagcg atctgcagc 49

<210> 457
<211> 49
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 457
acgcacccca gtaktcaccc tgacgcgccc raatgtagcg atctgcagc 49

<210> 458
<211> 11
<212> PRT
<213> Lama glama

<400> 458

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

<210> 459
<211> 120
<212> PRT
<213> Lama glama

<400> 459

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Gly Ile
35 40 45

Ser Cys Ile Ser Ser Ser Gly Ser Ile Thr Tyr Asp Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Pro Gly Ile Ala Ala Cys Arg Gly Ile His Tyr Trp Gly Gln
100 105 110

```
Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 460
<211> 513
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 460

```
Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
            100                 105                 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
        115                 120                 125

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
    130                 135                 140

Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
145                 150                 155                 160

Phe Ser Ser Phe Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly
                165                 170                 175

Leu Glu Trp Val Ser Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr
            180                 185                 190

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
        195                 200                 205
```

```
Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
    210                 215                 220

Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly
225                 230                 235                 240

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser
                245                 250                 255

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
            260                 265                 270

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
        275                 280                 285

Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
    290                 295                 300

Ser Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
                325                 330                 335

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
            340                 345                 350

Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu Pro Tyr Glu Tyr Asp
        355                 360                 365

Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
    370                 375                 380

Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu
385                 390                 395                 400

Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe
                405                 410                 415

Thr Phe Asp Asp Tyr Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys
            420                 425                 430

Glu Arg Glu Gly Val Ser Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr
        435                 440                 445

Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser
    450                 455                 460

Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr
465                 470                 475                 480
```

Ala Val Tyr Tyr Cys Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu
485 490 495

Pro Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
500 505 510

Ser

<210> 461
<211> 513
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 461

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

Ser Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu Pro Tyr Glu Tyr Asp
100 105 110

Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu
130 135 140

Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe
145 150 155 160

Thr Phe Asp Asp Tyr Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys
165 170 175

Glu Arg Glu Gly Val Ser Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr
180 185 190

Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser
195 200 205

Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr
210 215 220

Ala Val Tyr Tyr Cys Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu
225 230 235 240

Pro Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
245 250 255

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu
260 265 270

Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys
275 280 285

Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe Gly Met Ser Trp Val Arg
290 295 300

Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser Ile Ser Gly Ser
305 310 315 320

Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile
325 330 335

Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu
340 345 350

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu
355 360 365

Ser Arg Ser Ser Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
370 375 380

Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly
385 390 395 400

Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
405 410 415

Arg Thr Phe Ser Ser Tyr Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly
420 425 430

Lys Glu Arg Glu Tyr Val Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala
435 440 445

Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
450 455 460

Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp
465 470 475 480

Thr Ala Val Tyr Tyr Cys Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala
485 490 495

Pro Tyr Glu Tyr Asp His Trp Gly Gln Gly Thr Leu Val Thr Val Ser
500 505 510

Ser

<210> 462
<211> 385
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 462

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
115 120 125

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
130 135 140

Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
145 150 155 160

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```
Phe Ser Ser Phe Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly
                165                 170                 175

Leu Glu Trp Val Ser Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr
            180                 185                 190

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
        195                 200                 205

Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
    210                 215                 220

Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly
225                 230                 235                 240

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser
                245                 250                 255

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
            260                 265                 270

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr
        275                 280                 285

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
    290                 295                 300

Ser Ser Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
                325                 330                 335

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
            340                 345                 350

Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro
        355                 360                 365

Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
    370                 375                 380

Ser
385
```

<210> 463
<211> 385
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 463

```
Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr
            20                  25                  30

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

Ser Ser Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro
            100                 105                 110

Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
        115                 120                 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu
    130                 135                 140

Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys
145                 150                 155                 160

Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe Gly Met Ser Trp Val Arg
                165                 170                 175

Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser Ile Ser Gly Ser
            180                 185                 190

Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile
        195                 200                 205

Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu
    210                 215                 220

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu
225                 230                 235                 240

Ser Arg Ser Ser Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
                245                 250                 255

Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly
            260                 265                 270
```

Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
275 280 285

Arg Thr Phe Ser Ser Tyr Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly
290 295 300

Lys Glu Arg Glu Tyr Val Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala
305 310 315 320

Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
325 330 335

Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp
340 345 350

Thr Ala Val Tyr Tyr Cys Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala
355 360 365

Pro Tyr Glu Tyr Asp His Trp Gly Gln Gly Thr Leu Val Thr Val Ser
370 375 380

Ser
385

<210> 464
<211> 523
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 464

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

```
Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
           100                 105                 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
       115                 120                 125

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
   130                 135                 140

Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
145                 150                 155                 160

Phe Ser Ser Phe Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly
               165                 170                 175

Leu Glu Trp Val Ser Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr
           180                 185                 190

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
       195                 200                 205

Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
   210                 215                 220

Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly
225                 230                 235                 240

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser
               245                 250                 255

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
           260                 265                 270

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr
       275                 280                 285

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
   290                 295                 300

Ser Ser Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
               325                 330                 335

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
           340                 345                 350

Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro
       355                 360                 365
```

Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
370 375 380

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu
385 390 395 400

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
405 410 415

Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr Ala Ile Gly Trp Phe Arg
420 425 430

Gln Ala Pro Gly Lys Glu Arg Glu Gly Val Ser Ser Ile Arg Asp Asn
435 440 445

Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile
450 455 460

Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu
465 470 475 480

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala Val Pro Ala Gly
485 490 495

Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro Leu Tyr Glu Tyr Asp Ala
500 505 510

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
515 520

<210> 465
<211> 382
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 465

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
115 120 125

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
130 135 140

Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
145 150 155 160

Phe Ser Ser Phe Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly
165 170 175

Leu Glu Trp Val Ser Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr
180 185 190

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
195 200 205

Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
210 215 220

Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly
225 230 235 240

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser
245 250 255

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
260 265 270

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
275 280 285

Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
290 295 300

Ser Cys Ile Ser Ser Ser Asp Gly Ile Thr Tyr Tyr Ala Asp Ser Val
305 310 315 320

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
325 330 335

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
340 345 350

```
Ala Thr Asp Ser Gly Gly Tyr Ile Asp Tyr Asp Cys Met Gly Leu Gly
        355                 360                 365

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
    370                 375                 380
```

<210> 466
<211> 382
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 466

```
Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ile Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Thr Asp Ser Gly Gly Tyr Ile Asp Tyr Asp Cys Met Gly Leu Gly
            100                 105                 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly
    130                 135                 140

Gly Leu Val Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala Ser
145                 150                 155                 160

Gly Phe Thr Phe Ser Ser Phe Gly Met Ser Trp Val Arg Gln Ala Pro
                165                 170                 175

Gly Lys Gly Leu Glu Trp Val Ser Ser Ile Ser Gly Ser Gly Ser Asp
            180                 185                 190
```

Thr Leu Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp
195 200 205

Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu
210 215 220

Asp Thr Ala Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg Ser
225 230 235 240

Ser Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
245 250 255

Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
260 265 270

Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe
275 280 285

Ser Ser Tyr Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg
290 295 300

Glu Tyr Val Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala
305 310 315 320

Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
325 330 335

Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val
340 345 350

Tyr Tyr Cys Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu
355 360 365

Tyr Asp His Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
370 375 380

<210> 467
<211> 523
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 467

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr
20 25 30

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

```
Ser Ser Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
     50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro
            100                 105                 110

Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
        115                 120                 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu
    130                 135                 140

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
145                 150                 155                 160

Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr Ala Ile Gly Trp Phe Arg
                165                 170                 175

Gln Ala Pro Gly Lys Glu Arg Glu Gly Val Ser Ser Ile Arg Asp Asn
            180                 185                 190

Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile
        195                 200                 205

Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu
    210                 215                 220

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala Val Pro Ala Gly
225                 230                 235                 240

Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro Leu Tyr Glu Tyr Asp Ala
                245                 250                 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
            260                 265                 270

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
        275                 280                 285

Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
    290                 295                 300

Phe Ser Ser Phe Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly
305                 310                 315                 320
```

```
Leu Glu Trp Val Ser Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr
                325                 330                 335

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
            340                 345                 350

Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
        355                 360                 365

Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly
    370                 375                 380

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser
385                 390                 395                 400

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
                405                 410                 415

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            420                 425                 430

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        435                 440                 445

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    450                 455                 460

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
465                 470                 475                 480

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                485                 490                 495

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
            500                 505                 510

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
        515                 520
```

<210> 468
<211> 513
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 468

```
Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15
```

```
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
            100                 105                 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
        115                 120                 125

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
    130                 135                 140

Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
145                 150                 155                 160

Phe Asp Asp Tyr Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu
                165                 170                 175

Arg Glu Gly Val Ser Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr Tyr
            180                 185                 190

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys
        195                 200                 205

Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
    210                 215                 220

Val Tyr Tyr Cys Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu Pro
225                 230                 235                 240

Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
                245                 250                 255

Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
            260                 265                 270

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala
        275                 280                 285
```

Ala Ser Gly Phe Thr Phe Asp Asp Tyr Ala Leu Gly Trp Phe Arg Gln
290 295 300

Ala Pro Gly Lys Glu Arg Glu Gly Val Ser Cys Ile Arg Cys Ser Asp
305 310 315 320

Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser
325 330 335

Ser Asp Asn Ser Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg
340 345 350

Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala Ser Ile Val Pro Arg
355 360 365

Ser Lys Leu Glu Pro Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu
370 375 380

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val
385 390 395 400

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu
405 410 415

Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe Gly Met
420 425 430

Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser
435 440 445

Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly
450 455 460

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln
465 470 475 480

Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile
485 490 495

Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr Val Ser
500 505 510

Ser

<210> 469
<211> 513
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 469

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

Ser Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu Pro Tyr Glu Tyr Asp
100 105 110

Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu
130 135 140

Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe
145 150 155 160

Thr Phe Asp Asp Tyr Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys
165 170 175

Glu Arg Glu Gly Val Ser Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr
180 185 190

Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser
195 200 205

Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr
210 215 220

Ala Val Tyr Tyr Cys Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu
225 230 235 240

Pro Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
245 250 255

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu
260 265 270

```
Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
        275                 280                 285

Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr Ala Met Ala Trp Tyr Arg
    290                 295                 300

Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val Ala Ala Ile Arg Trp Ser
305                 310                 315                 320

Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile
                325                 330                 335

Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu
            340                 345                 350

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Asn Arg Ala Pro Asp
        355                 360                 365

Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His Trp Gly Gln Gly Thr Leu
    370                 375                 380

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val
385                 390                 395                 400

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu
                405                 410                 415

Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe Gly Met
            420                 425                 430

Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser
        435                 440                 445

Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly
    450                 455                 460

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln
465                 470                 475                 480

Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile
                485                 490                 495

Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr Val Ser
            500                 505                 510

Ser
```

<210> 470
<211> 385

<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 470

```
Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
            100                 105                 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
        115                 120                 125

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
    130                 135                 140

Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
145                 150                 155                 160

Leu Asp Asp Tyr Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu
                165                 170                 175

Arg Glu Gly Val Ser Ser Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr
            180                 185                 190

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys
        195                 200                 205

Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
    210                 215                 220

Val Tyr Tyr Cys Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu
225                 230                 235                 240
```

```
Gln Trp Tyr Pro Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu
                245                 250                 255

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val
            260                 265                 270

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu
        275                 280                 285

Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe Gly Met
    290                 295                 300

Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser
305                 310                 315                 320

Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly
                325                 330                 335

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln
            340                 345                 350

Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile
        355                 360                 365

Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr Val Ser
    370                 375                 380

Ser
385
```

<210> 471
<211> 385
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 471

```
Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr
            20                  25                  30

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

Ser Ser Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65                  70                  75                  80
```

```
Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro
            100                 105                 110

Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
        115                 120                 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu
    130                 135                 140

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
145                 150                 155                 160

Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr Ala Met Ala Trp Tyr Arg
                165                 170                 175

Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val Ala Ala Ile Arg Trp Ser
            180                 185                 190

Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile
        195                 200                 205

Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu
    210                 215                 220

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Asn Arg Ala Pro Asp
225                 230                 235                 240

Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His Trp Gly Gln Gly Thr Leu
                245                 250                 255

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val
            260                 265                 270

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu
        275                 280                 285

Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe Gly Met
    290                 295                 300

Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser
305                 310                 315                 320

Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly
                325                 330                 335

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln
            340                 345                 350
```

Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile
355 360 365

Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr Val Ser
370 375 380

Ser
385

<210> 472
<211> 523
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 472

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
115 120 125

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
130 135 140

Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
145 150 155 160

Leu Asp Asp Tyr Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu
165 170 175

Arg Glu Gly Val Ser Ser Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr
180 185 190

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys
195 200 205

Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
210 215 220

Val Tyr Tyr Cys Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu
225 230 235 240

Gln Trp Tyr Pro Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu
245 250 255

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val
260 265 270

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
275 280 285

Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr Ala Ile
290 295 300

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val Ser Ser
305 310 315 320

Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys Gly
325 330 335

Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr Leu Gln
340 345 350

Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala
355 360 365

Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro Leu Tyr
370 375 380

Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly
385 390 395 400

Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly
405 410 415

Gly Gly Leu Val Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala
420 425 430

Ser Gly Phe Thr Phe Ser Ser Phe Gly Met Ser Trp Val Arg Gln Ala
435 440 445

Pro Gly Lys Gly Leu Glu Trp Val Ser Ser Ile Ser Gly Ser Gly Ser
450 455 460

Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
465 470 475 480

Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro
485 490 495

Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg
500 505 510

Ser Ser Gln Gly Thr Leu Val Thr Val Ser Ser
515 520

<210> 473
<211> 523
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 473

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr
20 25 30

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

Ser Ser Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro
100 105 110

Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu
130 135 140

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
145 150 155 160

Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr Ala Ile Gly Trp Phe Arg
165 170 175

Gln Ala Pro Gly Lys Glu Arg Glu Gly Val Ser Ser Ile Arg Asp Asn
180 185 190

Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile
195 200 205

Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu
210 215 220

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala Val Pro Ala Gly
225 230 235 240

Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro Leu Tyr Glu Tyr Asp Ala
245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
275 280 285

Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr
290 295 300

Phe Ser Ser Tyr Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu
305 310 315 320

Arg Glu Tyr Val Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr
325 330 335

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
340 345 350

Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
355 360 365

Val Tyr Tyr Cys Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr
370 375 380

Glu Tyr Asp His Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly
385 390 395 400

Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly
405 410 415

Gly Gly Leu Val Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala
420 425 430

```
Ser Gly Phe Thr Phe Ser Ser Phe Gly Met Ser Trp Val Arg Gln Ala
        435                 440                 445

Pro Gly Lys Gly Leu Glu Trp Val Ser Ser Ile Ser Gly Ser Gly Ser
    450                 455                 460

Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
465                 470                 475                 480

Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro
                485                 490                 495

Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg
            500                 505                 510

Ser Ser Gln Gly Thr Leu Val Thr Val Ser Ser
        515                 520
```

<210> 474
<211> 382
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 474

```
Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
            20                  25                  30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
        35                  40                  45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
            100                 105                 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
        115                 120                 125
```

```
Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
    130                 135                 140

Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala
145                 150                 155                 160

Leu Asp Tyr Tyr Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu
                165                 170                 175

Arg Glu Gly Val Ser Cys Ile Ser Ser Ser Asp Gly Ile Thr Tyr Tyr
            180                 185                 190

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys
        195                 200                 205

Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
    210                 215                 220

Val Tyr Tyr Cys Ala Thr Asp Ser Gly Gly Tyr Ile Asp Tyr Asp Cys
225                 230                 235                 240

Met Gly Leu Gly Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
                245                 250                 255

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val
            260                 265                 270

Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu Arg Leu Ser
        275                 280                 285

Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe Gly Met Ser Trp Val
    290                 295                 300

Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser Ile Ser Gly
305                 310                 315                 320

Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr
                325                 330                 335

Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn Ser
            340                 345                 350

Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile Gly Gly Ser
        355                 360                 365

Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr Val Ser Ser
    370                 375                 380
```

<210> 475
<211> 382
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 475

```
Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ile Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Thr Asp Ser Gly Gly Tyr Ile Asp Tyr Asp Cys Met Gly Leu Gly
            100                 105                 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly
    130                 135                 140

Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser
145                 150                 155                 160

Gly Arg Thr Phe Ser Ser Tyr Ala Met Ala Trp Tyr Arg Gln Ala Pro
                165                 170                 175

Gly Lys Glu Arg Glu Tyr Val Ala Ala Ile Arg Trp Ser Gly Gly Thr
            180                 185                 190

Ala Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp
        195                 200                 205

Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu
    210                 215                 220

Asp Thr Ala Val Tyr Tyr Cys Ala Asn Arg Ala Pro Asp Thr Arg Leu
225                 230                 235                 240

Ala Pro Tyr Glu Tyr Asp His Trp Gly Gln Gly Thr Leu Val Thr Val
                245                 250                 255
```

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val
260 265 270

Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu Arg Leu Ser
275 280 285

Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe Gly Met Ser Trp Val
290 295 300

Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser Ile Ser Gly
305 310 315 320

Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr
325 330 335

Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn Ser
340 345 350

Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile Gly Gly Ser
355 360 365

Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr Val Ser Ser
370 375 380

<210> 476
<211> 513
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 476

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val
35 40 45

Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

```
Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His
           100                 105                 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
       115                 120                 125

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
   130                 135                 140

Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
145                 150                 155                 160

Phe Ser Ser Phe Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly
               165                 170                 175

Leu Glu Trp Val Ser Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr
           180                 185                 190

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
       195                 200                 205

Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
   210                 215                 220

Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly
225                 230                 235                 240

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser
               245                 250                 255

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
           260                 265                 270

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
       275                 280                 285

Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
   290                 295                 300

Ser Cys Ile Arg Cys Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
               325                 330                 335

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
           340                 345                 350

Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu Pro Tyr Glu Tyr Asp
       355                 360                 365
```

Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
370 375 380

Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu
385 390 395 400

Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe
405 410 415

Thr Phe Asp Asp Tyr Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys
420 425 430

Glu Arg Glu Gly Val Ser Cys Ile Arg Cys Ser Gly Gly Ser Thr Tyr
435 440 445

Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser
450 455 460

Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr
465 470 475 480

Ala Val Tyr Tyr Cys Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu
485 490 495

Pro Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
500 505 510

Ser

<210> 477
<211> 385
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 477

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Ile Thr Leu Asp Asp Tyr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Val Pro Ala Gly Arg Leu Arg Tyr Gly Glu Gln Trp Tyr Pro
100 105 110

Ile Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu
130 135 140

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
145 150 155 160

Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr Ala Met Ala Trp Tyr Arg
165 170 175

Gln Ala Pro Gly Lys Glu Arg Glu Tyr Val Ala Ala Ile Arg Trp Ser
180 185 190

Gly Gly Thr Ala Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile
195 200 205

Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu
210 215 220

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Asn Arg Ala Pro Asp
225 230 235 240

Thr Arg Leu Ala Pro Tyr Glu Tyr Asp His Trp Gly Gln Gly Thr Leu
245 250 255

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val
260 265 270

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu
275 280 285

Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe Gly Met
290 295 300

Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser
305 310 315 320

Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly
325 330 335

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln
340 345 350

Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile
355 360 365

Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr Val Ser
370 375 380

Ser
385

<210> 478
<211> 523
<212> PRT
<213> Artificial

<220>
<223> Mutated Lama sequence

<400> 478

Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro
100 105 110

Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu
130 135 140

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
145 150 155 160

Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr Ala Ile Gly Trp Phe Arg
165 170 175

Gln Ala Pro Gly Lys Glu Arg Glu Gly Val Ser Ala Ile Arg Ser Ser
180 185 190

Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile
195 200 205

Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu
210 215 220

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala Val Pro Ala Gly
225 230 235 240

Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro Leu Tyr Glu Tyr Asp Ala
245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
275 280 285

Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr
290 295 300

Phe Ser Ser Tyr Ala Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Glu
305 310 315 320

Arg Glu Tyr Val Ala Ala Ile Arg Trp Ser Gly Gly Thr Ala Tyr Tyr
325 330 335

Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
340 345 350

Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala
355 360 365

Val Tyr Tyr Cys Ala Asn Arg Ala Pro Asp Thr Arg Leu Ala Pro Tyr
370 375 380

Glu Tyr Asp His Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly
385 390 395 400

Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly
405 410 415

Gly Gly Leu Val Gln Pro Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala
420 425 430

Ser Gly Phe Thr Phe Ser Ser Phe Gly Met Ser Trp Val Arg Gln Ala
435 440 445

Pro Gly Lys Gly Leu Glu Trp Val Ser Ser Ile Ser Gly Ser Gly Ser
450 455 460

Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
465 470 475 480

Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro
485 490 495

Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg
500 505 510

Ser Ser Gln Gly Thr Leu Val Thr Val Ser Ser
515 520

<210> 479
<211> 124
<212> PRT
<213> Lama glama

<400> 479

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Leu Gly Trp Phe Arg Gln Ala Ala Gly Lys Glu Arg Glu Gly Val
35 40 45

Ser Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu Pro Tyr Glu Tyr Asp
100 105 110

Ala Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 480
<211> 126
<212> PRT
<213> Lama glama

<400> 480

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
            20                  25                  30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ile Thr Tyr Tyr Val Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Thr Asp Ser Gly Gly Tyr Ile Asp Tyr Asp Cys Met Gly Leu Gly
            100                 105                 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120                 125
```

<210> 481
<211> 129
<212> PRT
<213> Lama glama

<400> 481

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr
            20                  25                  30

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

Ser Cys Ile Arg Asp Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Asp Lys Asn Thr Val Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro
            100                 105                 110

Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Gln Val Thr Val Ser
        115                 120                 125
```

Ser

<210> 482
<211> 129
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 482

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr
20 25 30

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

Ser Ser Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro
100 105 110

Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
115 120 125

Ser

<210> 483
<211> 124
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 483

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

Ser Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu Pro Tyr Glu Tyr Asp
100 105 110

Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 484
<211> 126
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 484

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Asp Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Asp Ser Gly Gly Tyr Ile Asp Tyr Asp Cys Met Gly Leu Gly
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 485

<211> 124
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 485

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val
35 40 45

Ser Cys Ile Arg Cys Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Ser Ile Val Pro Arg Ser Lys Leu Glu Pro Tyr Glu Tyr Asp
100 105 110

Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 486
<211> 126
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 486

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Leu Asp Tyr Tyr
20 25 30

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

Ser Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr

65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Asp Ser Gly Gly Tyr Ile Asp Tyr Asp Cys Ser Gly Leu Gly
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 487
<211> 129
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 487

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Ile Thr Leu Asp Asp Tyr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Val Pro Ala Gly Arg Leu Arg Tyr Gly Glu Gln Trp Tyr Pro
100 105 110

Ile Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
115 120 125

Ser

<210> 488
<211> 129
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 488

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asp Asp Tyr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ala Val Pro Ala Gly Arg Leu Arg Phe Gly Glu Gln Trp Tyr Pro
100 105 110

Leu Tyr Glu Tyr Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser
115 120 125

Ser

<210> 489
<211> 5
<212> PRT
<213> Lama glama

<400> 489

Asp Tyr Ala Leu Gly
1 5

<210> 490
<211> 17
<212> PRT
<213> Lama glama

<400> 490

Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 491
<211> 15
<212> PRT

<213> Lama glama

<400> 491

Ser Ile Val Pro Arg Ser Lys Leu Glu Pro Tyr Glu Tyr Asp Ala
1 5 10 15

<210> 492
<211> 5
<212> PRT
<213> Lama glama

<400> 492

Tyr Tyr Ala Ile Gly
1 5

<210> 493
<211> 17
<212> PRT
<213> Lama glama

<400> 493

Cys Ile Ser Ser Ser Asp Gly Ile Thr Tyr Tyr Val Asp Ser Val Lys
1 5 10 15

Gly

<210> 494
<211> 17
<212> PRT
<213> Lama glama

<400> 494

Asp Ser Gly Gly Tyr Ile Asp Tyr Asp Cys Met Gly Leu Gly Tyr Asp
1 5 10 15

Tyr

<210> 495
<211> 5
<212> PRT
<213> Lama glama

<400> 495

Asp Tyr Ala Ile Gly
1 5

<210> 496
<211> 17
<212> PRT
<213> Lama glama

<400> 496

Cys Ile Arg Asp Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys

1 5 10 15

Gly

<210> 497
<211> 20
<212> PRT
<213> Lama glama

<400> 497

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

Glu Tyr Asp Ala
20

<210> 498
<211> 5
<212> PRT
<213> Lama glama

<400> 498

Asp Tyr Ala Ile Gly
1 5

<210> 499
<211> 17
<212> PRT
<213> Lama glama

<400> 499

Ser Ile Arg Asp Asn Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 500
<211> 20
<212> PRT
<213> Lama glama

<400> 500

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

Glu Tyr Asp Ala
20

<210> 501
<211> 5
<212> PRT
<213> Lama glama

<400> 501

Asp Tyr Ala Leu Gly
1 5

<210> 502
<211> 17
<212> PRT
<213> Lama glama

<400> 502

Cys Ile Arg Cys Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 503
<211> 15
<212> PRT
<213> Lama glama

<400> 503

Ser Ile Val Pro Arg Ser Lys Leu Glu Pro Tyr Glu Tyr Asp Ala
1 5 10 15

<210> 504
<211> 5
<212> PRT
<213> Lama glama

<400> 504

Tyr Tyr Ala Ile Gly
1 5

<210> 505
<211> 17
<212> PRT
<213> Lama glama

<400> 505

Cys Ile Ser Ser Ser Asp Gly Ile Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 506
<211> 17
<212> PRT
<213> Lama glama

<400> 506

Asp Ser Gly Gly Tyr Ile Asp Tyr Asp Cys Met Gly Leu Gly Tyr Asp
1 5 10 15

Tyr

<210> 507
<211> 5
<212> PRT
<213> Lama glama

<400> 507

Asp Tyr Ala Leu Gly
1 5

<210> 508
<211> 17
<212> PRT
<213> Lama glama

<400> 508

Cys Ile Arg Cys Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 509
<211> 15
<212> PRT
<213> Lama glama

<400> 509

Ser Ile Val Pro Arg Ser Lys Leu Glu Pro Tyr Glu Tyr Asp Ala
1 5 10 15

<210> 510
<211> 5
<212> PRT
<213> Lama glama

<400> 510

Tyr Tyr Ala Ile Gly
1 5

<210> 511
<211> 17
<212> PRT
<213> Lama glama

<400> 511

Cys Ile Ser Ser Ser Gly Gly Ile Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 512
<211> 17
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 512

Asp Ser Gly Gly Tyr Ile Asp Tyr Asp Cys Ser Gly Leu Gly Tyr Asp
1 5 10 15

Tyr

<210> 513
<211> 5
<212> PRT
<213> Lama glama

<400> 513

Asp Tyr Ala Ile Gly
1 5

<210> 514
<211> 17
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 514

Ala Ile Arg Ser Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 515
<211> 20
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 515

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

Glu Tyr Asp Ala
20

<210> 516
<211> 5
<212> PRT

<213> Lama glama

<400> 516

Asp Tyr Ala Ile Gly
1 5

<210> 517
<211> 17
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 517

Ala Ile Arg Ser Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 518
<211> 20
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 518

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

Glu Tyr Asp Ala
20

<210> 519
<211> 115
<212> PRT
<213> Artificial

<220>
<223> Mutated lama sequence

<400> 519

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Thr Ile Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

<210> 520
<211> 5
<212> PRT
<213> Lama glama

<400> 520

Ser Phe Gly Met Ser
1 5

<210> 521
<211> 17
<212> PRT
<213> Lama glama

<400> 521

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

Gly

<210> 522
<211> 6
<212> PRT
<213> Lama glama

<400> 522

Gly Gly Ser Leu Ser Arg
1 5

<210> 523
<211> 5
<212> PRT
<213> Lama glama

<400> 523

Leu Asn Leu Met Gly
1 5

<210> 524
<211> 16

<212> PRT
<213> Lama glama

<400> 524

Thr Ile Thr Val Gly Asp Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 525
<211> 8
<212> PRT
<213> Lama glama

<400> 525

Arg Arg Thr Trp His Ser Glu Leu
1 5

<210> 526
<211> 5
<212> PRT
<213> Lama glama

<400> 526

Ile Asn Leu Leu Gly
1 5

<210> 527
<211> 16
<212> PRT
<213> Lama glama

<400> 527

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

<210> 528
<211> 8
<212> PRT
<213> Lama glama

<400> 528

Arg Arg Thr Trp His Ser Glu Leu
1 5

<210> 529
<211> 5
<212> PRT
<213> Lama glama

<400> 529

Ser Phe Gly Met Ser
1 5

<210> 530
<211> 17
<212> PRT
<213> Lama glama

<400> 530

Ser Ile Asn Gly Arg Gly Asp Asp Thr Arg Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 531
<211> 7
<212> PRT
<213> Lama glama

<400> 531

Gly Arg Ser Val Ser Arg Ser
1 5

<210> 532
<211> 5
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<213> Lama glama

<400> 532

Ser Phe Gly Met Ser
1 5

<210> 533
<211> 17
<212> PRT
<213> Lama glama

<400> 533

Ala Ile Ser Ala Asp Ser Ser Asp Lys Arg Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 534
<211> 5
<212> PRT
<213> Lama glama

<400> 534

Gly Arg Gly Ser Pro
1 5

<210> 535
<211> 5
<212> PRT
<213> Lama glama

<400> 535

Ser Phe Gly Met Ser
1 5

<210> 536
<211> 17
<212> PRT
<213> Lama glama

<400> 536

Ala Ile Ser Ala Asp Ser Ser Asp Lys Arg Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 537
<211> 5
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<400> 537

Gly Arg Gly Ser Pro
1 5

<210> 538
<211> 5
<212> PRT
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<400> 538

Asn Tyr Trp Met Tyr
1 5

<210> 539
<211> 17
<212> PRT
<213> Lama glama

<400> 539

Arg Ile Ser Thr Gly Gly Gly Tyr Ser Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 540
<211> 13
<212> PRT
<213> Lama glama

<400> 540

Asp Arg Glu Ala Gln Val Asp Thr Leu Asp Phe Asp Tyr
1 5 10