SEQUENCE LISTING

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<120> ANTI-FGFR3 ANTIBODIES AND METHODS USING SAME

<130> P4294R1 WO

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<150> 61/163,222
<151> 2009-03-25

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<170> PatentIn version 3.5

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Lys Gly

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<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 88
Ser Ala Ser Phe Leu Tyr Ser
1 5

<210> 89
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 89
Gln Gln Ser Thr Gly His Pro Gln Thr
1 5

<210> 90
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 90
Gly Phe Thr Phe Thr Ser Thr Gly Ile Ser
1 5 10

<210> 91
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 91
Gly Arg Ile Tyr Pro Thr Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly

<210> 92
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 92
Ala Arg Thr Tyr Gly Ile Tyr Asp Leu Tyr Val Asp Tyr Thr Glu Tyr
1 5 10 15

Val Met Asp Tyr
20

<210> 93
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 93
Arg Ala Ser Gln Asp Val Asp Thr Ser Leu Ala
1 5 10

<210> 94
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 94
Ser Ala Ser Phe Leu Tyr Ser
1 5

<210> 95
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 95
Gln Gln Ser Thr Gly His Pro Gln Thr
1 5

<210> 96
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 96
Gly Phe Thr Phe Thr Ser Thr Gly Ile Ser
1 5 10

<210> 97
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 97
Gly Arg Ile Tyr Pro Thr Ala Gly Ser Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly

<210> 98
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 98
Ala Arg Thr Tyr Gly Ile Tyr Asp Leu Tyr Val Asp Tyr Thr Glu Tyr
1 5 10 15

Val Met Asp Tyr
20

<210> 99
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 99
Arg Ala Ser Gln Asp Val Asp Thr Ser Leu Ala
1 5 10

<210> 100
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 100
Ser Ala Ser Phe Leu Tyr Ser
1 5

<210> 101
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 101
Gln Gln Ser Thr Gly His Pro Gln Thr
1 5

<210> 102
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 102
Gly Phe Thr Phe Thr Ser Thr Gly Ile Ser
1 5 10

<210> 103
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 103
Gly Arg Ile Tyr Pro Thr Gln Gly Ser Thr Asn Tyr Ala Asp Ser Val

1 5 10 15

Lys Gly

<210> 104
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 104
Ala Arg Thr Tyr Gly Ile Tyr Asp Leu Tyr Val Asp Tyr Thr Glu Tyr
1 5 10 15

Val Met Asp Tyr
20

<210> 105
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 105
Arg Ala Ser Gln Asp Val Asp Thr Ser Leu Ala
1 5 10

<210> 106
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 106
Ser Ala Ser Phe Leu Tyr Ser
1 5

<210> 107
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 107
Gln Gln Ser Thr Gly His Pro Gln Thr
1 5

<210> 108
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 108
Gly Phe Thr Phe Thr Ser Thr Gly Ile Ser
1 5 10

<210> 109
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 109
Gly Arg Ile Tyr Pro Thr Ser Gly Ser Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly

<210> 110
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 110
Ala Arg Thr Tyr Gly Ile Tyr Asp Leu Tyr Val Asp Tyr Thr Glu Tyr
1 5 10 15

Val Met Asp Tyr
20

<210> 111
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 111
Arg Ala Ser Gln Val Val Asp Thr Ser Leu Ala
1 5 10

<210> 112
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 112
Ser Ala Ser Ser Leu Ala Ser
1 5

<210> 113
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 113
Gln Gln Gly Ala Gly Asn Pro Tyr Thr
1 5

<210> 114
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 114
Gly Phe Thr Phe Thr Ser Thr Gly Ile Ser
1 5 10

<210> 115
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 115
Gly Arg Ile Tyr Pro Thr Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly

<210> 116
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 116
Ala Arg Thr Tyr Gly Ile Tyr Asp Leu Tyr Val Asp Tyr Thr Glu Tyr
1 5 10 15

Val Met Asp Tyr
20

<210> 117
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 117
Arg Ala Ser Gln Val Val Asp Thr Ser Leu Ala
1 5 10

<210> 118
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 118
Ser Ala Ser Ser Leu Ala Ser
1 5

<210> 119
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 119
Gln Gln Gly Ala Gly Asn Pro Tyr Thr
1 5

<210> 120
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 120
Gly Phe Thr Phe Thr Ser Thr Gly Ile Ser
1 5 10

<210> 121
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 121
Gly Arg Ile Tyr Pro Thr Ala Gly Ser Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly

<210> 122
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 122
Ala Arg Thr Tyr Gly Ile Tyr Asp Leu Tyr Val Asp Tyr Thr Glu Tyr
1 5 10 15

Val Met Asp Tyr
20

<210> 123
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 123
Arg Ala Ser Gln Val Val Asp Thr Ser Leu Ala
1 5 10

<210> 124
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 124
Ser Ala Ser Ser Leu Ala Ser
1 5

<210> 125
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 125
Gln Gln Gly Ala Gly Asn Pro Tyr Thr
1 5

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 126
Gly Phe Thr Phe Thr Ser Thr Gly Ile Ser
1 5 10

<210> 127
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 127
Gly Arg Ile Tyr Pro Thr Gln Gly Ser Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly

<210> 128
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 128
Ala Arg Thr Tyr Gly Ile Tyr Asp Leu Tyr Val Asp Tyr Thr Glu Tyr
1 5 10 15

Val Met Asp Tyr
20

<210> 129
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 129
Arg Ala Ser Gln Val Val Asp Thr Ser Leu Ala
1 5 10

<210> 130
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

peptide"

<400> 130
Ser Ala Ser Ser Leu Ala Ser
1 5

<210> 131
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 131
Gln Gln Gly Ala Gly Asn Pro Tyr Thr
1 5

<210> 132
<211> 125
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 132
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 Ser Thr
20 25 30

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

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

Glu Tyr Val Met Asp Tyr Trp Gly Gln Gly Thr Leu Val
115 120 125

<210> 133
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 133
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 Asp Thr Ser
20 25 30

Leu 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 Tyr Tyr Cys Gln Gln Ser Thr Gly His Pro Gln
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 134
<211> 125
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 134
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 Ser Thr
20 25 30

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

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

Glu Tyr Val Met Asp Tyr Trp Gly Gln Gly Thr Leu Val
115 120 125

<210> 135
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 135
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 Asp Ile Ser
20 25 30

Leu 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 Tyr Tyr Cys Gln Gln Gly Ala Gly Asn Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 136
<211> 125
<212> PRT

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 136

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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 Ser Thr Thr
            20                  25                  30

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

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

Glu Tyr Val Met Asp Tyr Trp Gly Gln Gly Thr Leu Val
        115                 120                 125
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<210> 137
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 137

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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 Tyr Tyr Cys Gln Gln Thr Tyr Thr Thr Ser Leu
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 138
<211> 125
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 138
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 Ser Thr
20 25 30

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

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

Glu Tyr Val Met Asp Tyr Trp Gly Gln Gly Thr Leu Val
115 120 125

<210> 139
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 139
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 Glu Thr Ser
20 25 30

Leu 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 Tyr Tyr Cys Gln Gln Ser Thr Gly His Pro Gln
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 140
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 140
Arg Ala Ser Gln Asp Val Glu Thr Ser Leu Ala
1 5 10

<210> 141
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 141
Ser Ala Ser Phe Leu Tyr Ser
1 5

<210> 142
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 142
Gln Gln Ser Thr Gly His Pro Gln Thr
1 5

<210> 143
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 143
Gly Phe Thr Phe Thr Ser Thr Gly Ile Ser
1 5 10

<210> 144
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 144
Gly Arg Ile Tyr Pro Thr Ser Gly Ser Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly

<210> 145
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 145
Ala Arg Thr Tyr Gly Ile Tyr Asp Leu Tyr Val Asp Tyr Thr Glu Tyr

1 5 10 15

Val Met Asp Tyr
20

<210> 146
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<220>
<221> VARIANT
<222> (5)..(5)
<223> /replace="Asp"

<220>
<221> VARIANT
<222> (6)..(6)
<223> /replace="Ile"

<220>
<221> VARIANT
<222> (7)..(7)
<223> /replace="Glu" or "Ser"

<220>
<221> VARIANT
<222> (8)..(8)
<223> /replace="Ile"

<220>
<221> VARIANT
<222> (9)..(9)
<223> /replace="Ser"

<220>
<221> VARIANT
<222> (10)..(10)
<223> /replace="Leu"

<220>
<221> misc_feature
<222> (5)..(10)
<223> /note="Residues given in the sequence have no preference with respect to those in the annotations for said positions"

<400> 146
Arg Ala Ser Gln Val Val Asp Thr Ala Val Ala
1 5 10

<210> 147
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<220>
<221> VARIANT
<222> (1)..(1)
<223> /replace="Gly"

<220>
<221> misc_feature
<222> (1)..(1)
<223> /note="Residue given in the sequence has no preference with respect to the annotation for said position"

<220>
<221> VARIANT
<222> (6)..(6)
<223> /replace="Tyr"

<220>
<221> misc_feature
<222> (6)..(6)
<223> /note="Residue given in the sequence has no preference with respect to the annotation for said position"

<400> 147
Ser Ala Ser Phe Leu Ala Ser
1   5

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<220>
<221> VARIANT
<222> (3)..(3)
<223> /replace="Ser" or "Thr"

<220>
<221> VARIANT
<222> (4)..(4)
<223> /replace="Tyr" or "Ala"

<220>
<221> VARIANT
<222> (5)..(5)
<223> /replace="Ser" or "Thr" or "Ala"

<220>
<221> VARIANT
<222> (6)..(6)

<223> /replace="His" or "Asp" or "Thr" or "Asn"

<220>
<221> VARIANT
<222> (7)..(7)
<223> /replace="Pro" or "Ser"

<220>
<221> VARIANT
<222> (8)..(8)
<223> /replace="Tyr" or "Leu" or "Pro" or "Gln"

<220>
<221> misc_feature
<222> (3)..(8)
<223> /note="Residues given in the sequence have no preference
with respect to those in the annotations for said positions"

<400> 148
Gln Gln Gly Thr Gly Ala Gln Ser Thr
1 5

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<220>
<221> VARIANT
<222> (3)..(3)
<223> /replace="Thr"

<220>
<221> misc_feature
<222> (3)..(3)
<223> /note="Residue given in the sequence has no preference
with respect to the annotation for said position"

<220>
<221> VARIANT
<222> (5)..(5)
<223> /replace="Tyr" or "Ser" or "Thr"

<220>
<221> VARIANT
<222> (6)..(6)
<223> /replace="Gly" or "Thr"

<220>
<221> misc_feature
<222> (5)..(6)
<223> /note="Residues given in the sequence have no preference
with respect to those in the annotations for said positions"

<400> 149
Gly Phe Ser Phe Trp Ser Thr Gly Ile Ser

1 5 10

<210> 150
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<220>
<221> VARIANT
<222> (6)..(6)
<223> /replace="Ala" or "Leu" or "Ser" or "Thr"

<220>
<221> VARIANT
<222> (7)..(7)
<223> /replace="Gln" or "Asp" or "Gly" or "Tyr" or "Ser" or "Asn" or "Phe"

<220>
<221> VARIANT
<222> (8)..(8)
<223> /replace="Asp" or "Gly"

<220>
<221> VARIANT
<222> (9)..(9)
<223> /replace="Ser"

<220>
<221> VARIANT
<222> (10)..(10)
<223> /replace="Phe" or "Thr" or "Ser"

<220>
<221> VARIANT
<222> (11)..(11)
<223> /replace="His" or "Asn" or "Ile"

<220>
<221> misc_feature
<222> (6)..(11)
<223> /note="Residues given in the sequence have no preference with respect to those in the annotations for said positions"

<400> 150
Gly Arg Ile Tyr Pro Tyr Ala Ala Thr Lys Tyr Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly

<210> 151
<211> 20
<212> PRT

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 151
Ala Arg Thr Tyr Gly Ile Tyr Asp Leu Tyr Val Asp Tyr Thr Glu Tyr
1 5 10 15

Val Met Asp Tyr
20

<210> 152
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<220>
<221> VARIANT
<222> (5)..(5)
<223> /replace="Asp"

<220>
<221> misc_feature
<222> (5)..(5)
<223> /note="Residue given in the sequence has no preference with respect to the annotation for said position"

<220>
<221> VARIANT
<222> (7)..(7)
<223> /replace="Glu" or "Ser"

<220>
<221> VARIANT
<222> (8)..(8)
<223> /replace="Ile"

<220>
<221> VARIANT
<222> (9)..(9)
<223> /replace="Ser"

<220>
<221> misc_feature
<222> (7)..(9)
<223> /note="Residues given in the sequence have no preference with respect to those in the annotations for said positions"

<400> 152
Arg Ala Ser Gln Val Val Asp Thr Ala Val Ala
1 5 10

<210> 153
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<220>
<221> VARIANT
<222> (3)..(3)
<223> /replace="Gly" or "Thr"

<220>
<221> VARIANT
<222> (4)..(4)
<223> /replace="Thr" or "Ala"

<220>
<221> VARIANT
<222> (5)..(5)
<223> /replace="Gly"

<220>
<221> VARIANT
<222> (6)..(6)
<223> /replace="His" or "Asn"

<220>
<221> VARIANT
<222> (7)..(7)
<223> /replace="Ser"

<220>
<221> VARIANT
<222> (8)..(8)
<223> /replace="Gln" or "Tyr" or "Leu"

<220>
<221> misc_feature
<222> (3)..(8)
<223> /note="Residues given in the sequence have no preference with respect to those in the annotations for said positions"

<400> 153
Gln Gln Ser Tyr Thr Thr Pro Pro Thr
1 5

<210> 154
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<220>
<221> VARIANT
<222> (6)..(6)
<223> /replace="Leu"

<220>
<221> VARIANT
<222> (7)..(7)
<223> /replace="Tyr" or "Ser" or "Gly" or "Ala" or "Gln"

<220>
<221> misc_feature
<222> (6)..(7)
<223> /note="Residues given in the sequence have no preference
with respect to those in the annotations for said positions"

<220>
<221> VARIANT
<222> (11)..(11)
<223> /replace="His"

<220>
<221> misc_feature
<222> (11)..(11)
<223> /note="Residue given in the sequence has no preference
with respect to the annotation for said position"

<400> 154
Gly Arg Ile Tyr Pro Thr Asn Gly Ser Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly

<210> 155
<211> 10
<212> PRT
<213> Mus musculus

<400> 155
Ser Ala Ser Ser Ser Val Ser Tyr Met His
1 5 10

<210> 156
<211> 10
<212> PRT
<213> Mus musculus

<400> 156
Ser Ala Ser Ser Ser Val Ser Tyr Met His
1 5 10

<210> 157
<211> 11
<212> PRT
<213> Mus musculus

<400> 157

Leu Ala Ser Gln Thr Ile Gly Thr Trp Leu Ala
1 5 10

<210> 158
<211> 11
<212> PRT
<213> Mus musculus

<400> 158
Thr Trp Ile Tyr Asp Thr Ser Ile Leu Ala Ser
1 5 10

<210> 159
<211> 11
<212> PRT
<213> Mus musculus

<400> 159
Arg Trp Ile Tyr Asp Thr Ser Lys Leu Ala Ser
1 5 10

<210> 160
<211> 11
<212> PRT
<213> Mus musculus

<400> 160
Leu Leu Ile Tyr Ala Ala Thr Ser Leu Ala Asp
1 5 10

<210> 161
<211> 9
<212> PRT
<213> Mus musculus

<400> 161
Gln Gln Trp Thr Ser Asn Pro Leu Thr
1 5

<210> 162
<211> 9
<212> PRT
<213> Mus musculus

<400> 162
Gln Gln Trp Ser Ser Tyr Pro Pro Thr
1 5

<210> 163
<211> 9
<212> PRT
<213> Mus musculus

<400> 163
Gln Gln Leu Tyr Ser Pro Pro Trp Thr
1 5

<210> 164
<211> 10
<212> PRT
<213> Mus musculus

<400> 164
Gly Tyr Ser Phe Thr Asp Tyr Asn Met Tyr
1 5 10

<210> 165
<211> 10
<212> PRT
<213> Mus musculus

<400> 165
Gly Tyr Val Phe Thr His Tyr Asn Met Tyr
1 5 10

<210> 166
<211> 10
<212> PRT
<213> Mus musculus

<400> 166
Gly Tyr Ala Phe Thr Ser Tyr Asn Met Tyr
1 5 10

<210> 167
<211> 20
<212> PRT
<213> Mus musculus

<400> 167
Trp Ile Gly Tyr Ile Glu Pro Tyr Asn Gly Gly Thr Ser Tyr Asn Gln
1 5 10 15

Lys Phe Lys Gly
20

<210> 168
<211> 20
<212> PRT
<213> Mus musculus

<400> 168
Trp Ile Gly Tyr Ile Glu Pro Tyr Asn Gly Gly Thr Ser Tyr Asn Gln
1 5 10 15

Lys Phe Lys Gly
20

<210> 169
<211> 20
<212> PRT
<213> Mus musculus

<400> 169
Trp Ile Gly Tyr Ile Asp Pro Tyr Ile Gly Gly Thr Ser Tyr Asn Gln
1 5 10 15

Lys Phe Lys Gly
20

<210> 170
<211> 13
<212> PRT
<213> Mus musculus

<400> 170
Ala Ser Pro Asn Tyr Tyr Asp Ser Ser Pro Phe Ala Tyr
1 5 10

<210> 171
<211> 10
<212> PRT
<213> Mus musculus

<400> 171
Ala Arg Gly Gln Gly Pro Asp Phe Asp Val
1 5 10

<210> 172
<211> 13
<212> PRT
<213> Mus musculus

<400> 172
Ala Arg Trp Gly Asp Tyr Asp Val Gly Ala Met Asp Tyr
1 5 10

<210> 173
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 173
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 Asn 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 Arg Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln His Tyr Thr Thr Pro Pro
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 174
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 174
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 Tyr Tyr Cys Gln Gln Ser Tyr Thr Thr Pro Pro
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polypeptide"

<400> 175
Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr Leu Gln
1 5 10 15

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
20 25 30

<210> 176
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 176
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 177
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 177
Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
20 25 30

<210> 178
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 178
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1 5 10 15

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
20 25 30

<210> 179
<211> 15
<212> PRT
<213> Homo sapiens

<400> 179
Leu Ala Val Pro Ala Ala Asn Thr Val Arg Phe Arg Cys Pro Ala
1 5 10 15

<210> 180
<211> 15
<212> PRT
<213> Homo sapiens

<400> 180
Ser Asp Val Glu Phe His Cys Lys Val Tyr Ser Asp Ala Gln Pro
1 5 10 15

<210> 181
<211> 15
<212> PRT
<213> Homo sapiens

<400> 181
His Ala Val Pro Ala Ala Lys Thr Val Lys Phe Lys Cys Pro Ser
1 5 10 15

<210> 182
<211> 15
<212> PRT
<213> Homo sapiens

<400> 182
Ser Asn Val Glu Phe Met Cys Lys Val Tyr Ser Asp Pro Gln Pro
1 5 10 15

<210> 183
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 183
Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp
1 5 10

<210> 184
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic peptide"

<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
20 25

<210> 185
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 185
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
1 5 10

<210> 186
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 186
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1 5 10 15

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
20 25 30

<210> 187
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 187
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 188
<211> 23

<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 188
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
20

<210> 189
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 189
Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
1 5 10 15

<210> 190
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 190
Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
20 25 30

<210> 191
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 191
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys

<210> 192
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 192
gatccccgca tcaagctgcg gcatcattca agagatgatg ccgcagcttg atgctttttt 60

ggaaa 65

<210> 193
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 193
gatcccctgc acaacctcga ctactattca agagatagta gtcgaggttg tgcatttttt 60

ggaaa 65

<210> 194
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 194
gatccccaac ctcgactact acaagattca agagatcttg tagtagtcga ggtttttttt 60

ggaaa 65

<210> 195
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 195
gtcagatatc gtkctsacmc artctccwgc 30

<210> 196
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 196
gatcgacgta cgctgagatc carytgcarc artctgg 37

<210> 197
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 197
gtcagatatc gtgctgacmc artctcc 27

<210> 198
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 198
gatcgacgta cgctgagatc carytgcarc artctgg 37

<210> 199
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 199
gtacgatatc cagatgacmc artctcc 27

<210> 200
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 200
gatcgacgta cgctgagatc carytgcarc artctgg 37

<210> 201
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 201
tttdakytcc agcttggtac c 21

<210> 202
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 202
acagtgggcc cttggtggag gctgmrgaga cdgtgashrd rgt 43

<210> 203
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 203
Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1 5 10

<210> 204
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 204

Arg Val Thr Ile Thr Ala Asp Thr Ser Thr Ser Thr Ala Tyr Met Glu
1 5 10 15

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

<210> 205
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 205
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 206
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 206
Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
1 5 10

<210> 207
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 207
Arg Val Thr Ile Thr Ala Asp Thr Ser Thr Ser Thr Ala Tyr Met Glu
1 5 10 15

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

<210> 208
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 208
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 209
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 209
Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
1 5 10

<210> 210
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 210
Arg Val Thr Ile Thr Ala Asp Thr Ser Thr Ser Thr Ala Tyr Met Glu
1 5 10 15

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

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 211
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 212
Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
1 5 10

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 213
Arg Val Thr Ile Thr Ala Asp Thr Ser Thr Ser Thr Ala Tyr Met Glu
1 5 10 15

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

<210> 214
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 214
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 215
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 215
Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly
1 5 10

<210> 216
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 216
Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
1 5 10 15

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

<210> 217
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 217
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 218
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 218
Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
1 5 10

<210> 219
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 219
Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
1 5 10 15

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

<210> 220
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 220
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 221
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 221
Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
1 5 10

<210> 222
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 222
Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
1 5 10 15

Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
20 25 30

<210> 223
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 223
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 224
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 224
Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
1 5 10

<210> 225
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 225
Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
1 5 10 15

Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
20 25 30

<210> 226
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 226
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 227
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 227
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser

1 5 10

<210> 228
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 228
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1 5 10 15

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 229
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 229
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 230
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 230
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
1 5 10

<210> 231
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 231

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1 5 10 15

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 232
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 232
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 233
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 233
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
1 5 10

<210> 234
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 234
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1 5 10 15

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala
20 25 30

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

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 235
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 236
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> source
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<400> 236
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<400> 237
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
20 25 30

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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ser Arg
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<400> 245
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<400> 246
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ser
20 25 30

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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
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<400> 250
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala
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<400> 258

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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
20 25 30

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<400> 260
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Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
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<400> 262
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Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys
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Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys
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