

INH022001WOST25
SEQUENCE LISTING

<110> INHIBRX LP
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Deveraux, Quinn
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<120> MULTIVALENT AND MULTISPECIFIC G1TR-BINDING FUSION PROTEINS

<130> INHI-022/001WO

<150> US 62/195,822

<151> 2015-07-23

<160> 150

<170> PatentIn version 3.5

<210> 1

<211> 218

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 1

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

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
20 25 30

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
35 40 45

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
50 55 60

INH1022001WOST25

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

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
85 90 95

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
100 105 110

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
115 120 125

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
130 135 140

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
145 150 155 160

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
165 170 175

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
180 185 190

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
195 200 205

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
210 215

<210> 2

<211> 215

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<400> 2

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

Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val
20 25 30

Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp
35 40 45

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr
50 55 60

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
65 70 75 80

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu
85 90 95

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

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys
115 120 125

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
130 135 140

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
145 150 155 160

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
165 170 175

Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser

INHI022001WOST25

180

185

190

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
195 200 205

Leu Ser Leu Ser Pro Gly Lys
210 215

<210> 3
<211> 217
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<213> Artificial Sequence

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<223> chemically synthesized

<400> 3

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

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
20 25 30

Val Val Asp Val Ser His Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr
35 40 45

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
50 55 60

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

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
85 90 95

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

INH1022001WOST25

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
115 120 125

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
130 135 140

Ser Asp Ile Ser Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
145 150 155 160

Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu
165 170 175

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
180 185 190

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
195 200 205

Lys Ser Leu Ser Leu Ser Pro Gly Lys
210 215

<210> 4
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<213> Artificial Sequence

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<400> 4

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

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
20 25 30

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Gln Phe Lys Trp

INHI022001WOST25

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Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
50 55 60

Glu Gln Tyr Asn Ser Thr Phe Arg Val Val Ser Val Leu Thr Val Leu
65 70 75 80

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
85 90 95

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly
100 105 110

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
115 120 125

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
130 135 140

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Ser Gly Gln Pro Glu Asn
145 150 155 160

Asn Tyr Asn Thr Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe
165 170 175

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
180 185 190

Ile Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn Arg Phe Thr
195 200 205

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
210 215

<210> 5

INHI022001WOST25

<211> 218
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<400> 5

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

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
 20 25 30

Val Val Val Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp
 35 40 45

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
 50 55 60

Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
 65 70 75 80

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
 85 90 95

Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
 100 105 110

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu
 115 120 125

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
 130 135 140

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
 145 150 155 160

INH1022001WOST25

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
165 170 175

Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn
180 185 190

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
195 200 205

Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
210 215

<210> 6
<211> 218
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 6

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

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
20 25 30

Val Val Val Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp
35 40 45

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
50 55 60

Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
65 70 75 80

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn

INH1022001WOST25

85

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Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
100 105 110

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu
115 120 125

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
130 135 140

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
145 150 155 160

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
165 170 175

Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn
180 185 190

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
195 200 205

Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
210 215

<210> 7

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 7

Glu Pro Lys Ser Ser Asp Lys Thr His Thr Cys Pro Pro Cys
1 5 10

INHI022001WOST25

<210> 8
 <211> 9
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<220>
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<400> 8

Asp Lys Thr His Thr Cys Pro Pro Cys
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<210> 9
 <211> 11
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 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 9

Glu Ser Lys Tyr Gly Pro Pro Cys Pro Pro Cys
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<210> 10
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 <213> Artificial Sequence

<220>
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<400> 10

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly
 1 5 10

<210> 11
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 <212> PRT
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<220>

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<400> 11

Gly Gln Gly Thr Leu Val Thr Val Glu Pro Gly Gly
1 5 10

<210> 12

<211> 6

<212> PRT

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<220>

<223> chemically synthesized

<400> 12

Gly Gly Ser Gly Gly Ser
1 5

<210> 13

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 13

Gly Gly Ser Gly Gly Ser Gly Gly Ser
1 5

<210> 14

<211> 12

<212> PRT

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<400> 14

Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser

1

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<210> 15
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<400> 15

Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser
 1 5 10 15

<210> 16
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 <213> Artificial Sequence

<220>
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<400> 16

Gly Gly Gly Gly
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<210> 17
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 <213> Artificial Sequence

<220>
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<400> 17

Gly Gly Gly Gly Gly
 1 5

<210> 18
 <211> 6
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<220>

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<400> 18

Gly Gly Gly Gly Gly Gly
1 5

<210> 19

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<212> PRT

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<220>

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<222> (10)..(10)

<223> Xaa can be any naturally occurring amino acid

<400> 19

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

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

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

Ala Val Met Ser Ser Gly Ser Pro Lys Tyr Ala Asp Ser Val Lys Gly
50 55 60

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

Met Asp Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Tyr Ala

INHI022001WOST25

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

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 20
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 20

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

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

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

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

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

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

Ala Glu Val Asn Glu Gly Trp Asn Ala Asp Tyr His Asp Tyr Trp Gly
100 105 110

INH1022001WOST25

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 21
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 21

Gln Val Gln Leu Val Gln 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 Ile Phe Ser Ile Asn
20 25 30

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

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

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

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

Ala Glu Val Asn Glu Gly Trp Asn Ala Asp Tyr Tyr Asp Val Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 22

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

<220>
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<400> 22

Gln Val Gln Leu Gln 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 Val Phe Ser Ile Asp
 20 25 30

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

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

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

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

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

Gln Gly Thr Gln Val Thr Val Ser Ser
 115 120

<210> 23
 <211> 117
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

INHI022001WOST25

<400> 23

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

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

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

Ala Gln Ile Pro Gly Gly Pro Thr Asp Ser Val Lys Gly Arg Phe Thr
50 55 60

Val Ser Gly Asn Ser Ala Lys Asn Thr Gly Tyr Leu Gln Met Asn Thr
65 70 75 80

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

Thr Ser Trp Gly Ser Pro Ser Lys Val Tyr Trp Gly Gln Gly Thr Gln
100 105 110

Ala Thr Val Ser Ser
115

<210> 24

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 24

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

INH1022001WOST25

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

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

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

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

Gln Gly Thr Gln Val Thr Val Ser
115 120

<210> 25

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 25

Gln Val Gln Leu Gln Gln 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 Ile Phe Ser Ile Asp
20 25 30

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

INH1022001WOST25

35

40

45

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

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

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

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

Gly Thr Gln Val Thr Val Ser
115

<210> 26

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 26

Gln Val Gln Leu Gln 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 Val Phe Ser Ile Asp
20 25 30

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

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

INHI022001WOST25

Gly Arg Phe Thr Ile Ser Arg Ala Ser Ala Pro Asn Thr Val His Leu
65 70 75 80

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

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

Gln Gly Thr Gln Val Thr Val Ser
115 120

<210> 27
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 27

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

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

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

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

Phe Thr Ile Ser Arg Ala Asn Ala Pro Asn Thr Val His Leu Arg Met
65 70 75 80

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

INHI022001WOST25

85

90

95

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

Thr Gln Val Thr Val Ser
115

<210> 28
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 28

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

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

Ser Met Ser Trp Phe Arg Gln Arg Pro Gly Asn Glu Arg Glu Leu Val
35 40 45

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

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

INH1022001WOST25

Gln Gly Thr Gln Val Thr Val Ser
115 120

<210> 29
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 29

Gln Val Gln Leu Gln 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 Ile Phe Ser Ile Asn
20 25 30

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

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

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

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

Ala Glu Val Asn Glu Gly Trp Asn Ala Asp Tyr Tyr Asp Val Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser
115 120

<210> 30

INHI022001WOST25

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

<220>
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<400> 30

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

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

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

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

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

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

Gly Glu Leu Arg Asp Asp Ser Asn Gly Tyr Leu His Tyr Trp Gly Gln
 100 105 110

Gly Thr Gln Val Thr Val Ser
 115

<210> 31
 <211> 120
 <212> PRT
 <213> Artificial Sequence

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INHI022001WOST25

<400> 31

Gln Val Gln Leu Gln 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 Val Phe Ser Ile Asp
20 25 30

Ser Met Ser Trp Phe Arg Gln Thr Pro Gly Asn Glu Arg Glu Leu Val
35 40 45

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

Gly Arg Phe Thr Ile Ser Arg Ala Ser Ala Pro Asn Thr Val His Leu
65 70 75 80

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

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

Gln Gly Thr Gln Val Thr Val Ser
115 120

<210> 32

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 32

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

INH1022001WOST25

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

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

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

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

Met His Arg Leu Glu Pro Glu Asp Thr Ala Val Tyr Tyr Cys Tyr Ala
85 90 95

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

Gly Thr Gln Val Thr Val Ser
115

<210> 33
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 33

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

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

Ser Met Ser Trp Phe Arg Gln Gly Pro Gly Asn Glu Arg Glu Leu Val

INH1022001WOST25

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

Gly Arg Phe Thr Ile Ser Arg Ala Asn Ala Pro Asn Thr Val His 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 Ala Val Ser Thr Gly Trp Gly Arg Ser Ala Asp Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Gln Val Thr Val Ser
115 120

<210> 34

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 34

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

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

Ser Met Ser Trp Phe Arg Gln Gly Pro Gly Asn Glu Arg Glu Leu Val
35 40 45

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

INHI022001WOST25

Gly Arg Phe Thr Ile Ser Arg Ala Asn Ala Pro Asn Thr Val His Leu
65 70 75 80

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

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

Gln Gly Thr Gln Val Thr Val Ser
115 120

<210> 35
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<220>
<223> chemically synthesized

<400> 35

Gln Val Gln Leu Val Gln 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 Val Phe Ser Ile Asp
20 25 30

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

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

Gly Arg Phe Thr Ile Ser Arg Ala Ser Ala Pro Asn Thr Val His Leu
65 70 75 80

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

INHI022001WOST25

85

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

Gln Gly Thr Gln Val Thr Val Ser
115 120

<210> 36

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 36

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

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

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

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

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

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

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

INHI022001WOST25

Gln Gly Thr Leu Val Thr Val Lys Pro
115 120

<210> 37
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 37

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

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

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

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

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

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

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

Gln Gly Thr Leu Val Thr Val Lys Pro
115 120

<210> 38

INHI022001WOST25

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

<220>
 <223> chemically synthesized

<400> 38

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

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

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

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

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

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

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

Gln Gly Thr Leu Val Thr Val Lys Pro
 115 120

<210> 39
 <211> 121
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

INHI022001WOST25

<400> 39

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

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

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

Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val Lys Pro
115 120

<210> 40

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 40

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

INHI022001WOST25

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

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

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

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

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

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

Gln Gly Thr Leu Val Thr Val Lys Pro
115 120

<210> 41

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 41

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

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

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

INH1022001WOST25

35

40

45

Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val Lys Pro
115 120

<210> 42

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 42

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

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

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

Ser Ala Leu Ser Gly Ile Ser Ser Ala Thr Tyr Ala Glu Ser Val Lys
50 55 60

INHI022001WOST25

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 43
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 43

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

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

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

Ser Ala Leu Ser Gly Ile Ser Ser Ala Thr Tyr Ala Glu Ser Val Lys
50 55 60

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

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr

INHI022001WOST25

85

90

95

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

Gln Gly Thr Leu Val Thr Val
115

<210> 44

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 44

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

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

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

Ser Ala Leu Ser Gly Ile Ser Ser Ala Thr Tyr Ala Glu Ser Val Lys
50 55 60

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

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

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

INHI022001WOST25

Gln Gly Thr Leu Val Thr Val
115

<210> 45
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 45

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

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

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

Ser Ala Leu Ser Gly Ile Ser Ser Ala Thr Tyr Ala Glu Ser Val Lys
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 46

INHI022001WOST25

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

<220>
 <223> chemically synthesized

<400> 46

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Thr Tyr Ala Glu Ser Val Lys
 50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
 115

<210> 47
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

INHI022001WOST25

<400> 47

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Thr Tyr Ala Glu Ser Val Lys
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 48

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 48

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

INHI022001WOST25

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Thr Tyr Ala Glu Ser Val Lys
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 49

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 49

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

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

Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Gln Gln Arg Glu Leu Val

INH1022001WOST25

35

40

45

Ala Val Leu Ser Gly Ile Ser Ser Ala Thr Tyr Ala Glu Ser Val Lys
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 50

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 50

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Glu Ser Val Lys
50 55 60

INHI022001WOST25

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 51

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 51

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Glu Ser Val Lys
50 55 60

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

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr

INHI022001WOST25

85

90

95

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

Gln Gly Thr Leu Val Thr Val
115

<210> 52

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 52

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

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

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

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

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

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

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

INHI022001WOST25

Gln Gly Thr Leu Val Thr Val
115

<210> 53
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 53

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Glu Ser Val Lys
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 54

INHI022001WOST25

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

<220>
 <223> chemically synthesized

<400> 54

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Glu 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 Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
 85 90 95

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

Gln Gly Thr Leu Val Thr Val
 115

<210> 55
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

INHI022001WOST25

<400> 55

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Glu Ser Val Lys
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 56

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 56

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

INHI022001WOST25

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Glu Ser Val Lys
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 57

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 57

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

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

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

INH1022001WOST25

35

40

45

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Ala Ser Ala Pro
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 58

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 58

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Ala Ser Ala Pro
50 55 60

INHI022001WOST25

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 59

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 59

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Ala Ser Ala Pro
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 Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr

INHI022001WOST25

85

90

95

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

Gln Gly Thr Leu Val Thr Val
115

<210> 60

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 60

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

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

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

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

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

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

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

INHI022001WOST25

Gln Gly Thr Leu Val Thr Val
115

<210> 61
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 61

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Asp Ala Val Glu
50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
115

<210> 62

INHI022001WOST25

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

<220>
 <223> chemically synthesized

<400> 62

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Ala Ser Ala Pro
 50 55 60

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

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

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

Gln Gly Thr Leu Val Thr Val
 115

<210> 63
 <211> 110
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

INHI022001WOST25

<400> 63

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

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

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

Ser Ala Ile Asn Asn Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Trp Cys
85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 64

<211> 110

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 64

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

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

INHI022001WOST25

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

Ser Ala Ile Asn Asn Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 65
<211> 110
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 65

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

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

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

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

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

INH1022001WOST25

65		70		75		80
Leu	Gln	Met	Ser	Ser	Leu	Arg
			85			
				Glu	Asp	Thr
				90		
					Ala	Val
						Tyr
						95
						Tyr
						Cys
Gln	Asn	Arg	Val	Thr	Arg	Gly
			100			
						Gln
						105
						Thr
						Leu
						Val
						Thr
						Val
						110
<210>	66					
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<212>	PRT					
<213>	Artificial Sequence					
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<400>	66					
Glu	Val	Gln	Leu	Leu	Glu	Ser
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						Gly
						10
						Gly
						Glu
						Val
						Gln
						Pro
						Gly
						15
						Gly
						Gly
Ser	Leu	Arg	Leu	Ser	Cys	Ala
			20			
						Ala
						25
						Ser
						Gly
						Phe
						Thr
						Phe
						30
						Ser
						Thr
						His
Gly	Met	Asp	Trp	Phe	Arg	Gln
		35				
						Ala
						40
						Pro
						Gly
						Lys
						Gly
						45
						Leu
						Glu
						Trp
						Val
Ser	Ala	Ile	Asn	Asn	Gly	Gly
	50					
						55
						Ser
						Trp
						Thr
						Ser
						Tyr
						60
						Ala
						Ser
						Ser
						Val
Lys	Gly	Arg	Phe	Thr	Ile	Ser
65						
						70
						Arg
						Asp
						Asn
						75
						Ala
						Lys
						Asn
						Thr
						Leu
						Tyr
						80
Leu	Gln	Met	Ser	Ser	Leu	Arg
			85			
						Ala
						Glu
						90
						Asp
						Thr
						Ala
						Val
						Tyr
						95
						Trp
						Cys
Gln	Asn	Arg	Val	Thr	Arg	Gly
			100			
						Gln
						105
						Gly
						Thr
						Leu
						Val
						Thr
						Val
						110

INHI022001WOST25

<210> 67
 <211> 110
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 67

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

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

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

Ser Ala Ile Asn Asn Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
 100 105 110

<210> 68
 <211> 110
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 68

INHI022001WOST25

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

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

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

Ser Ala Ile Gln Ser Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Trp Cys
85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 69
<211> 110
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 69

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

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

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

INHI022001WOST25

35

40

45

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

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 70

<211> 110

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 70

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

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

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

Ser Ala Ile Gln Ser Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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

INHI022001WOST25

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

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 71
<211> 110
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 71

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

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

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

Ser Ala Ile Gln Ser Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Glu Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Trp Cys
85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 72

INHI022001WOST25

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

<220>
 <223> chemically synthesized

<400> 72

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

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

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

Ser Ala Ile Gln Ser Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Ser Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Trp Cys
 85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
 100 105 110

<210> 73
 <211> 110
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 73

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

INHI022001WOST25

1	5	10	15
Ser	Leu	Arg	Leu
	20		
Ser	Cys	Ala	Ala
		25	
Ser	Gly	Phe	Thr
			30
Ser	Thr	His	
Gly	Met	Asp	Trp
	35		
Phe	Arg	Gln	Ala
		40	
Pro	Gly	Lys	Asp
			45
Leu	Glu	Trp	Val
Ser	Ala	Ile	Gln
	50		
Ser	Gly	Gly	Ser
		55	
Trp	Thr	Ser	Tyr
			60
Ala	Ser	Ser	Val
Lys	Gly	Arg	Phe
	65		
Thr	Ile	Ser	Arg
	70		
Asp	Asn	Ala	Lys
		75	
Asn	Thr	Leu	Tyr
			80
Leu	Gln	Met	Gln
	85		
Gln	Leu	Arg	Ala
Glu	Asp	Thr	Ala
	90		
Val	Tyr	Trp	Cys
			95
Gln	Asn	Arg	Val
	100		
Thr	Arg	Gly	Gln
Gly	Thr	Leu	Val
	105		
Thr	Val		110

<210> 74
 <211> 110
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 74

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Glu	Val	Gln	Pro	Gly	Gly
1			5					10						15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Thr	His
		20						25					30		
Gly	Met	Asp	Trp	Phe	Arg	Gln	Ala	Pro	Gly	Lys	Asp	Leu	Glu	Trp	Val
	35					40						45			

INHI022001WOST25

Ser Ala Ile Gln Ser Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Gln Asn Leu Arg Ala Glu Asp Thr Ala Val Tyr Trp Cys
85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 75
<211> 110
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 75

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

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

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

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

INH1022001WOST25

85

90

95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 76

<211> 110

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 76

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

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

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

Ser Ala Ile Gln Ser Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Asp Leu Arg Ala Glu Asp Thr Ala Val Tyr Trp Cys
85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 77

<211> 110

<212> PRT

INH1022001WOST25

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 77

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

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

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

Ser Ala Ile Gln Ser Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Asp Asp Leu Arg Ala Glu Asp Thr Ala Val Tyr Trp Cys
85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 78

<211> 110

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 78

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

INH1022001WOST25

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

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

Ser Ala Ile Gln Ser Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Gln Asp Leu Arg Ala Glu Asp Thr Ala Val Tyr Trp Cys
85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 79
<211> 110
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 79

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

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

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

Ser Ala Ile Gln Ser Gly Gly Ser Trp Thr Ser Tyr Ala Ser Ser Val

INHI022001WOST25

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 Gln Leu Arg Ala Glu Asp Thr Ala Val Tyr Trp Cys
85 90 95

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
100 105 110

<210> 80

<211> 110

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 80

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

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

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

Ser Ala Ile Gln Ser Gly Gly Ser Trp Thr Ser Tyr Ala Ser 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 Ser Asn Leu Arg Ala Glu Asp Thr Ala Val Tyr Trp Cys
85 90 95

INHI022001WOST25

Gln Asn Arg Val Thr Arg Gly Gln Gly Thr Leu Val Thr Val
 100 105 110

<210> 81
 <211> 494
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 81

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
 1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
 20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
 35 40 45

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

Leu Val Ser Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
 65 70 75 80

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu
 85 90 95

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
 115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly

INH1022001WOST25

130

135

140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Ser Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys
260 265 270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe
275 280 285

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
290 295 300

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
305 310 315 320

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr

INH1022001WOST25

325

330

335

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
340 345 350

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
355 360 365

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
370 375 380

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
385 390 395 400

Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
405 410 415

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
420 425 430

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
435 440 445

Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
450 455 460

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
465 470 475 480

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
485 490

<210> 82

<211> 494

<212> PRT

<213> Artificial Sequence

INH1022001WOST25

<220>

<223> chemically synthesized

<400> 82

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Cys Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

INH1022001WOST25

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Cys Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys
260 265 270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe
275 280 285

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
290 295 300

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
305 310 315 320

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
325 330 335

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
340 345 350

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
355 360 365

INH1022001WOST25

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
370 375 380

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
385 390 395 400

Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
405 410 415

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
420 425 430

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
435 440 445

Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
450 455 460

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
465 470 475 480

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
485 490

<210> 83
<211> 497
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 83

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

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

INH1022001WOST25

20

25

30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Ser Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu
85 90 95

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Ser Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

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

INH1022001WOST25

210

215

220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys
260 265 270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
275 280 285

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
290 295 300

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
305 310 315 320

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
325 330 335

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
340 345 350

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
355 360 365

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
370 375 380

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
385 390 395 400

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr

INHI022001WOST25

405

410

415

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
420 425 430

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
435 440 445

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
450 455 460

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
465 470 475 480

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
485 490 495

Lys

<210> 84

<211> 497

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 84

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

INH1022001WOST25

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

Leu Val Cys Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Cys Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

INH1022001WOST25

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys
260 265 270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
275 280 285

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
290 295 300

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
305 310 315 320

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
325 330 335

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
340 345 350

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
355 360 365

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
370 375 380

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
385 390 395 400

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
405 410 415

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
420 425 430

INHI022001WOST25

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
 435 440 445

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
 450 455 460

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
 465 470 475 480

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
 485 490 495

Lys

<210> 85
 <211> 494
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 85

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
 1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
 20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
 35 40 45

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

Leu Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser

65						70						75						80
Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Leu			
				85					90					95				
Tyr	Leu	Gln	Met	Ser	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr			
				100					105					110				
Cys	Asn	Ala	Val	Val	Ser	Thr	Gly	Trp	Gly	Arg	Asn	Ala	Asp	Asp	Tyr			
				115					120					125				
Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Lys	Pro	Gly	Gly	Ser	Gly	Gly			
				130					135					140				
Ser	Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Glu	Val	Gln	Pro	Gly			
				145					150					155				
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Ser	Val	Phe	Ser	Ile			
				165					170					175				
Asp	Ser	Met	Ser	Trp	Phe	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Leu			
				180					185					190				
Val	Ser	Leu	Ile	Thr	Gly	Gly	Arg	Thr	Thr	Tyr	Tyr	Ala	Glu	Ser	Val			
				195					200					205				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Leu	Tyr			
				210					215					220				
Leu	Gln	Met	Ser	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys			
				225					230					235				
Asn	Ala	Val	Val	Ser	Thr	Gly	Trp	Gly	Arg	Asn	Ala	Asp	Asp	Tyr	Trp			
				245					250					255				
Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Lys	Pro	Gly	Gly	Gly	Gly	Asp	Lys			

INHI022001WOST25

260

265

270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe
275 280 285

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
290 295 300

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
305 310 315 320

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
325 330 335

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
340 345 350

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
355 360 365

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
370 375 380

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
385 390 395 400

Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
405 410 415

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
420 425 430

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
435 440 445

Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp

INHI022001WOST25

450

455

460

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
465 470 475 480

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
485 490

<210> 86

<211> 494

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 86

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

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

INH1022001WOST25

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ser Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys
260 265 270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe
275 280 285

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
290 295 300

INH1022001WOST25

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
305 310 315 320

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
325 330 335

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
340 345 350

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
355 360 365

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
370 375 380

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
385 390 395 400

Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
405 410 415

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
420 425 430

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
435 440 445

Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
450 455 460

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
465 470 475 480

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
485 490

INHI022001WOST25

<210> 87
 <211> 497
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 87

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
 1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
 20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
 35 40 45

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

Leu Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
 65 70 75 80

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu
 85 90 95

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
 115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
 130 135 140

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

INH1022001WOST25

145		150		155		160									
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Ser	Val	Phe	Ser	Ile
				165					170					175	
Asp	Ser	Met	Ser	Trp	Phe	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Leu
			180					185					190		
Val	Ser	Leu	Ile	Thr	Gly	Gly	Arg	Thr	Thr	Tyr	Tyr	Ala	Glu	Ser	Val
		195					200					205			
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Leu	Tyr
	210					215					220				
Leu	Gln	Met	Ser	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
225					230					235					240
Asn	Ala	Val	Val	Ser	Thr	Gly	Trp	Gly	Arg	Asn	Ala	Asp	Asp	Tyr	Trp
				245					250					255	
Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Lys	Pro	Gly	Gly	Gly	Gly	Asp	Lys
			260					265						270	
Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro
		275					280					285			
Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser
	290					295					300				
Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	Asp
305					310					315					320
Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn
				325					330					335	
Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	Tyr	Arg	Val

INHI022001WOST25

340

345

350

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
355 360 365

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
370 375 380

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
385 390 395 400

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
405 410 415

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
420 425 430

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
435 440 445

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
450 455 460

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
465 470 475 480

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
485 490 495

Lys

<210> 88

<211> 497

<212> PRT

<213> Artificial Sequence

INH1022001WOST25

<220>

<223> chemically synthesized

<400> 88

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

INH1022001WOST25

Asp Ser Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys
260 265 270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
275 280 285

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
290 295 300

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
305 310 315 320

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
325 330 335

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
340 345 350

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
355 360 365

INH1022001WOST25

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
370 375 380

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
385 390 395 400

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
405 410 415

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
420 425 430

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
435 440 445

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
450 455 460

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
465 470 475 480

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
485 490 495

Lys

<210> 89

<211> 494

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 89

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala

INH1022001WOST25

1	5	10	15
Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro	20	25	30
Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser	35	40	45
Ile Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu	50	55	60
Leu Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser	65	70	75
Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu	85	90	95
Tyr Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr	100	105	110
Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr	115	120	125
Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly	130	135	140
Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly	145	150	155
Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile	165	170	175
Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu	180	185	190
Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val			

INH1022001WOST25

195

200

205

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys
260 265 270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe
275 280 285

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
290 295 300

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
305 310 315 320

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
325 330 335

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
340 345 350

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
355 360 365

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
370 375 380

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro

385 390 395 400

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
485 490

<400> 90

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

INH1022001WOST25

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

Leu Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

INH1022001WOST25

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys
260 265 270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe
275 280 285

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
290 295 300

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
305 310 315 320

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
325 330 335

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
340 345 350

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
355 360 365

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
370 375 380

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
385 390 395 400

Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
405 410 415

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
420 425 430

INHI022001WOST25

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
435 440 445

Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
450 455 460

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
465 470 475 480

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
485 490

<210> 91
<211> 497
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 91

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

INH1022001WOST25

85

90

95

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys
260 265 270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro

INH1022001WOST25

275

280

285

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
290 295 300

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
305 310 315 320

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
325 330 335

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
340 345 350

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
355 360 365

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
370 375 380

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
385 390 395 400

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
405 410 415

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
420 425 430

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
435 440 445

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
450 455 460

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu

INH1022001WOST25

465 470 475 480

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
 485 490 495

Lys

<210> 92
 <211> 497
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 92

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
 1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
 20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
 35 40 45

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

Leu Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
 65 70 75 80

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

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

INH1022001WOST25

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys
260 265 270

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
275 280 285

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
290 295 300

INH1022001WOST25

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
305 310 315 320

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
325 330 335

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
340 345 350

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
355 360 365

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
370 375 380

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
385 390 395 400

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
405 410 415

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
420 425 430

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
435 440 445

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
450 455 460

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
465 470 475 480

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
485 490 495

INHI022001WOST25

Lys

<210> 93
 <211> 479
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 93

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

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

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

Ala Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Ala Ser Ala Pro
 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 Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
 85 90 95

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

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser Glu
 115 120 125

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

INH1022001WOST25

130

135

140

Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp Ala
145 150 155 160

Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val Ala
165 170 175

Val Leu Ser Gly Ile Ser Ser Ala Lys Tyr Ala Ala Ser Ala Pro Gly
180 185 190

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln
195 200 205

Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr Ala
210 215 220

Asp Val Ser Thr Gly Trp Gly Arg Asp Ala His Gly Tyr Trp Gly Gln
225 230 235 240

Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr His
245 250 255

Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val
260 265 270

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
275 280 285

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
290 295 300

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
305 310 315 320

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser

INH1022001WOST25

325

330

335

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
340 345 350

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
355 360 365

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
370 375 380

Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu
385 390 395 400

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
405 410 415

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
420 425 430

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
435 440 445

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
450 455 460

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
465 470 475

<210> 94

<211> 621

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 94

INH1022001WOST25

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Ser Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu
85 90 95

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

INH1022001WOST25

Val Ser Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
290 295 300

Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
305 310 315 320

Ser Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
325 330 335

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
370 375 380

INH1022001WOST25

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe Leu
405 410 415

Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
420 425 430

Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys
435 440 445

Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys
450 455 460

Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu
465 470 475 480

Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys
485 490 495

Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys
500 505 510

Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser
515 520 525

Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
530 535 540

Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
545 550 555 560

Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly
565 570 575

INHI022001WOST25

Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
580 585 590

Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
595 600 605

His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

<210> 95

<211> 621

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 95

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Cys Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

Tyr Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr

INHI022001WOST25

100

105

110

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
 115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
 130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
 145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
 165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
 180 185 190

Val Cys Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
 195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
 210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
 245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
 260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
 275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp

INH1022001WOST25

290

295

300

Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
305 310 315 320

Cys Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
325 330 335

Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
370 375 380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe Leu
405 410 415

Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
420 425 430

Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys
435 440 445

Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys
450 455 460

Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu
465 470 475 480

Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys

INHI022001WOST25

485

490

495

Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys
500 505 510

Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser
515 520 525

Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
530 535 540

Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
545 550 555 560

Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly
565 570 575

Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
580 585 590

Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
595 600 605

His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

<210> 96

<211> 624

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 96

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

INH1022001WOST25

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Ser Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu
85 90 95

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Ser Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

INH1022001WOST25

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
290 295 300

Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
305 310 315 320

Ser Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
325 330 335

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
370 375 380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

INH1022001WOST25

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
405 410 415

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
420 425 430

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
435 440 445

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
450 455 460

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
465 470 475 480

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
485 490 495

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
500 505 510

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
515 520 525

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
530 535 540

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
545 550 555 560

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
565 570 575

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
580 585 590

INHI022001WOST25

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
595 600 605

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

<210> 97
<211> 624
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 97

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Cys Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr

INH1022001WOST25

115

120

125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Cys Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
290 295 300

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

INHI022001WOST25

305 310 315 320

Cys Ala Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
325 330 335

Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
370 375 380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
405 410 415

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
420 425 430

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
435 440 445

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
450 455 460

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
465 470 475 480

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
485 490 495

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr

INHI022001WOST25

500

505

510

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
515 520 525

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
530 535 540

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
545 550 555 560

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
565 570 575

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
580 585 590

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
595 600 605

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

<210> 98

<211> 621

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 98

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

INH1022001WOST25

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu
85 90 95

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ser Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

INH1022001WOST25

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
290 295 300

Ser Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
305 310 315 320

Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
325 330 335

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
370 375 380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe Leu
405 410 415

INH1022001WOST25

Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
420 425 430

Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys
435 440 445

Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys
450 455 460

Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu
465 470 475 480

Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys
485 490 495

Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys
500 505 510

Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser
515 520 525

Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
530 535 540

Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
545 550 555 560

Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly
565 570 575

Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
580 585 590

Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
595 600 605

INHI022001WOST25

His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

<210> 99
<211> 621
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 99

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly

INH1022001WOST25

130

135

140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ser Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
290 295 300

Ser Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
305 310 315 320

Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys

INH1022001WOST25

325

330

335

Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
370 375 380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe Leu
405 410 415

Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
420 425 430

Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys
435 440 445

Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys
450 455 460

Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu
465 470 475 480

Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys
485 490 495

Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys
500 505 510

Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser

INHI022001WOST25

515

520

525

Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
530 535 540

Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
545 550 555 560

Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly
565 570 575

Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
580 585 590

Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
595 600 605

His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

<210> 100
<211> 624
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 100

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

INH1022001WOST25

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

Leu Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu
85 90 95

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ser Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

INH1022001WOST25

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
290 295 300

Ser Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
305 310 315 320

Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
325 330 335

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
370 375 380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
405 410 415

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
420 425 430

INH1022001WOST25

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
435 440 445

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
450 455 460

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
465 470 475 480

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
485 490 495

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
500 505 510

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
515 520 525

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
530 535 540

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
545 550 555 560

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
565 570 575

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
580 585 590

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
595 600 605

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

INHI022001WOST25

<210> 101
 <211> 624
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 101

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
 1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
 20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
 35 40 45

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

Leu Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
 65 70 75 80

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

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
 115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
 130 135 140

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

145 150 155 160

Asp Ser Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
290 295 300

Ser Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
305 310 315 320

Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
325 330 335

Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu

INHI022001WOST25

340

345

350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
370 375 380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
405 410 415

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
420 425 430

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
435 440 445

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
450 455 460

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
465 470 475 480

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
485 490 495

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
500 505 510

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
515 520 525

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys

INH1022001WOST25

530

535

540

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
545 550 555 560

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
565 570 575

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
580 585 590

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
595 600 605

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

<210> 102

<211> 621

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 102

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

INH1022001WOST25

Leu Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu
85 90 95

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

INH1022001WOST25

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
290 295 300

Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
305 310 315 320

Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
325 330 335

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
370 375 380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe Leu
405 410 415

Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
420 425 430

Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys
435 440 445

INHI022001WOST25

Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys
450 455 460

Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu
465 470 475 480

Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys
485 490 495

Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys
500 505 510

Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser
515 520 525

Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
530 535 540

Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
545 550 555 560

Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly
565 570 575

Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
580 585 590

Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
595 600 605

His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

<210> 103
<211> 621
<212> PRT

INH1022001WOST25

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 103

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile

INH1022001WOST25

165

170

175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
290 295 300

Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
305 310 315 320

Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
325 330 335

Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn

INH1022001WOST25

355

360

365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
370 375 380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Gly Gly Pro Ser Val Phe Leu
405 410 415

Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
420 425 430

Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys
435 440 445

Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys
450 455 460

Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu
465 470 475 480

Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys
485 490 495

Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys
500 505 510

Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser
515 520 525

Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
530 535 540

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

545 550 555 560

Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
580 585 590

Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
595 600 605

His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

$\langle 210 \rangle$	104
$\langle 211 \rangle$	624
$\langle 212 \rangle$	PRT
$\langle 213 \rangle$	Artificial Sequence

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<220>
<223> chemically synthesized
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<400> 104

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

INHI022001WOST25

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu
85 90 95

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu
180 185 190

Val Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

INH1022001WOST25

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
 275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
 290 295 300

Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
 305 310 315 320

Ser Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
 325 330 335

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
 340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
 355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly
 370 375 380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
 385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
 405 410 415

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
 420 425 430

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
 435 440 445

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
 450 455 460

INHI022001WOST25

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
465 470 475 480

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
485 490 495

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
500 505 510

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
515 520 525

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
530 535 540

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
545 550 555 560

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
565 570 575

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
580 585 590

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
595 600 605

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

<210> 105

<211> 624

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

INHI022001WOST25

<400> 105

Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15

Tyr Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser
35 40 45

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

Leu Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser
65 70 75 80

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

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

Cys Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly
130 135 140

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly
145 150 155 160

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile
165 170 175

Asp Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu

INHI022001WOST25

180

185

190

Val Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val
195 200 205

Lys Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
210 215 220

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
225 230 235 240

Asn Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp
245 250 255

Gly Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Ser Gly Gly Ser
260 265 270

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Glu Val Gln Pro Gly Gly
275 280 285

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Val Phe Ser Ile Asp
290 295 300

Ala Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Leu Val
305 310 315 320

Cys Leu Ile Thr Gly Gly Arg Thr Thr Tyr Tyr Ala Glu Ser Val Lys
325 330 335

Gly Arg Phe Thr Cys Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu
340 345 350

Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn
355 360 365

Ala Val Val Ser Thr Gly Trp Gly Arg Asn Ala Asp Asp Tyr Trp Gly

INH1022001WOST25

370

375

380

Gln Gly Thr Leu Val Thr Val Lys Pro Gly Gly Gly Gly Asp Lys Thr
385 390 395 400

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
405 410 415

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
420 425 430

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
435 440 445

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
450 455 460

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
465 470 475 480

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
485 490 495

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
500 505 510

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
515 520 525

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
530 535 540

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
545 550 555 560

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp

INHI022001WOST25

565

570

575

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
580 585 590

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
595 600 605

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
610 615 620

<210> 106
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 106

Gly Ser Val Phe Ser Ile Asp Ala Met
1 5

<210> 107
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 107

Val Met Ser Ser Gly Ser Pro Lys
1 5

<210> 108
<211> 16
<212> PRT
<213> Artificial Sequence

INH1022001WOST25

<220>

<223> chemically synthesized

<400> 108

Tyr	Ala	Asp	Val	Ala	Thr	Gly	Trp	Gly	Arg	Asp	Ala	Ser	Ala	Tyr	Trp
1				5				10						15	

<210> 109

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 109

Ala	Gly	Ser	Thr	Phe	Ser	Val	Asn	Ser	Met
1				5				10	

<210> 110

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 110

Phe	Thr	Gly	Gly	Ser	Thr	Met	Asn
1				5			

<210> 111

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 111

Asn	Ala	Glu	Val	Asn	Glu	Gly	Trp	Asn	Ala	Asp	Tyr	His	Asp	Tyr	Trp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

INH1022001WOST25

1 5 10 15

<210> 112
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 112

Ser Gly Ser Ile Phe Ser Ile Asn His Met
 1 5 10

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

<220>
 <223> chemically synthesized

<400> 113

His Ile Thr Gly Gly Ala Ser Thr Lys
 1 5

<210> 114
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 114

Asn Ala Glu Val Asn Glu Gly Trp Asn Ala Asp Tyr Tyr Asp Val Trp
 1 5 10 15

<210> 115
 <211> 9
 <212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 115

Val Leu Asn Gly Ile Ser Ser Ala Lys
1 5

<210> 116

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 116

Tyr Ala Asp Val Ser Thr Gly Trp Gly Arg Asp Ala His Gly Tyr Trp
1 5 10 15

<210> 117

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 117

Ser Gly Asn Ile Phe Ser Ile Asp Ala Met
1 5 10

<210> 118

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 118

INHI022001WOST25

Gln Ile Pro Gly Gly
1 5

<210> 119
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 119

Asn Ile Val Ala Ser Thr Ser Trp Gly Ser Pro Ser Lys Val Tyr Trp
1 5 10 15

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

<220>
<223> chemically synthesized

<400> 120

Ser Gly Ser Val Phe Ser Ile Asp Ser Met
1 5 10

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

<220>
<223> chemically synthesized

<400> 121

Leu Ile Thr Gly Gly Arg Thr Thr Thr
1 5

<210> 122

INHI022001WOST25

<211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 122

Asn	Ala	Val	Val	Ser	Thr	Gly	Trp	Gly	Arg	Asn	Ala	Asp	Asp	Tyr	Trp
1				5					10					15	

<210> 123
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 123

Val	Ile	Asp	Gly	Val	Ser	Pro	Asn
1				5			

<210> 124
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 124

Asn	Ala	Ala	Val	Ser	Thr	Gly	Trp	Gly	Arg	Asn	Ala	Asp	Asp	Tyr	Trp
1				5					10					15	

<210> 125
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

INH1022001WOST25

<400> 125

Ser Gly Ser Val Phe Ser Ile Asp Ser Val
1 5 10

<210> 126

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 126

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

<210> 127

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 127

Ala Glu Val Asn Glu Gly Trp Asn Ala Asp Tyr Tyr Asp Val Trp
1 5 10 15

<210> 128

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 128

Ile Thr Ser Gly Gly Ser Pro Asn
1 5

INH1022001WOST25

<210> 129
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 129

Ala Gly Glu Leu Arg Asp Asp Ser Asn Gly Tyr Leu His Tyr Trp
 1 5 10 15

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

<220>
 <223> chemically synthesized

<400> 130

His Ile Thr Gly Gly Arg Thr Thr Thr
 1 5

<210> 131
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> chemically synthesized

<400> 131

Ser Gly Ser Ile Phe Ser Ile Asp Asp Met
 1 5 10

<210> 132
 <211> 8
 <212> PRT
 <213> Artificial Sequence

INH1022001WOST25

<220>

<223> chemically synthesized

<400> 132

Val His Ser Gly Ser Ser Thr Asn
1 5

<210> 133

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 133

Tyr Ala Ala Ile Ser Ser Gly Trp Gly Arg Asp Ala Glu Asp Tyr Trp
1 5 10 15

<210> 134

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 134

Ile Thr Gly Gly Arg Thr Thr Thr
1 5

<210> 135

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 135

Asn Ala Ala Val Ser Thr Gly Trp Gly Arg Ser Ala Asp Asp Tyr Trp

1 5 10 15

<210> 136
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 136

Ile Thr Gly Gly Arg Thr Thr Tyr
1 5

<210> 137
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 137

Ala Ile Thr Gly Gly Arg Thr Thr Tyr
1 5

<210> 138
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 138

Ser Gly Ser Val Phe Ser Ile Asp Ala Met
1 5 10

<210> 139
<211> 8
<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 139

Leu Ser Gly Ile Ser Ser Ala Thr
1 5

<210> 140

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 140

Ala Asp Val Ser Thr Gly Trp Gly Arg Asp Ala His Gly Tyr Trp
1 5 10 15

<210> 141

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 141

Leu Ser Gly Ile Ser Ser Ala Lys
1 5

<210> 142

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> chemically synthesized

<400> 142

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Ala Asp Val Ser Thr Gly Trp Gly Arg Asp Ala His Gly Tyr Trp
1 5 10 15

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

<220>
<223> chemically synthesized

<400> 143

Ser Gly Phe Thr Phe Ser Thr His Gly Met
1 5 10

<210> 144
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 144

Ala Ile Asn Asn Gly Gly Ser Trp Thr Ser
1 5 10

<210> 145
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> chemically synthesized

<400> 145

Cys Gln Asn Arg Val Thr Arg
1 5

<210> 146

<211> 6
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> chemically synthesized
 <400> 146

Gln Asn Arg Val Thr Arg
 1 5

<210> 147
 <211> 9
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> chemically synthesized
 <400> 147

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<400> 150

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