

SEQUENCE LISTING

<110> Adagene Inc.

<120> ANTI-CD137 MOLECULES AND USE THEREOF

<130> 695402000341

<140> Not Yet Assigned

<141> Concurrently Herewith

<150> PCT/CN2017/098332

<151> 2017-08-21

<160> 883

<170> PatentIn version 3.5

<210> 1

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1

Met Gly Asn Ser Cys Tyr Asn Ile Val Ala Thr Leu Leu Leu Val Leu
1 5 10 15

Asn Phe Glu Arg Thr Arg Ser Leu Gln Asp Pro Cys Ser Asn Cys Pro
20 25 30

Ala Gly Thr Phe Cys Asp Asn Asn Arg Asn Gln Ile Cys Ser Pro Cys
35 40 45

Pro Pro Asn Ser Phe Ser Ser Ala Gly Gly Gln Arg Thr Cys Asp Ile
50 55 60

Cys Arg Gln Cys Lys Gly Val Phe Arg Thr Arg Lys Glu Cys Ser Ser
65 70 75 80

Thr Ser Asn Ala Glu Cys Asp Cys Thr Pro Gly Phe His Cys Leu Gly
85 90 95

Ala Gly Cys Ser Met Cys Glu Gln Asp Cys Lys Gln Gly Gln Glu Leu

100

105

110

Thr Lys Lys Gly Cys Lys Asp Cys Cys Phe Gly Thr Phe Asn Asp Gln
 115 120 125

Lys Arg Gly Ile Cys Arg Pro Trp Thr Asn Cys Ser Leu Asp Gly Lys
 130 135 140

Ser Val Leu Val Asn Gly Thr Lys Glu Arg Asp Val Val Cys Gly Pro
 145 150 155 160

Ser Pro Ala Asp Leu Ser Pro Gly Ala Ser Ser Val Thr Pro Pro Ala
 165 170 175

Pro Ala Arg Glu Pro Gly His Ser Pro Gln Ile Ile Ser Phe Phe Leu
 180 185 190

Ala Leu Thr Ser Thr Ala Leu Leu Phe Leu Leu Phe Phe Leu Thr Leu
 195 200 205

Arg Phe Ser Val Val Lys Arg Gly Arg Lys Lys Leu Leu Tyr Ile Phe
 210 215 220

Lys Gln Pro Phe Met Arg Pro Val Gln Thr Thr Gln Glu Glu Asp Gly
 225 230 235 240

Cys Ser Cys Arg Phe Pro Glu Glu Glu Gly Gly Cys Glu Leu
 245 250 255

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Xaa Thr Phe Xaa Xaa Tyr Xaa Ile His Trp Val
1 5 10

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<222> (10)..(10)

<223> X4 : A or D or G or N or S or T

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Tyr Ser Ile Xaa Ser Gly Xaa Xaa Trp Xaa Trp Ile
1 5 10

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<223> X2 : A or G

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<222> (11)..(11)

<223> X3 : A or G or S or T

<400> 4

Phe Ser Leu Ser Thr Xaa Gly Val Xaa Val Xaa Trp Ile
1 5 10

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<400> 5

Leu	Ala	Leu	Ile	Asp	Trp	Xaa	Xaa	Asp	Lys	Xaa	Tyr	Ser	Xaa	Ser	Leu
1				5					10					15	

Lys	Ser	Arg	Leu
			20

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<220>
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<223> X3 : N or S

<400> 6

Ile	Gly	Xaa	Ile	Tyr	His	Ser	Gly	Xaa	Thr	Tyr	Tyr	Xaa	Pro	Ser	Leu
1				5					10					15	

Lys	Ser	Arg	Val
			20

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<220>

<221> VARIANT

<222> (7)..(7)

<223> X2 : A or D or S or Y

<220>

<221> VARIANT

<222> (9)..(9)

<223> X3 : D or G or S

<220>

<221> VARIANT

<222> (10)..(10)

<223> X4 : S or T

<400> 7

Val	Ser	Xaa	Ile	Ser	Gly	Xaa	Gly	Xaa	Xaa	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

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<400> 8

Ala Arg Xaa Gly Xaa Xaa Xaa Val Xaa Gly Asp Trp Phe Xaa Tyr
1 5 10 15

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Xaa Ala Ser Gln Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10

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<223> X3 : L or R

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<223> X5 : S or T

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<400> 10

Xaa Ala Ser Xaa Xaa Xaa Xaa Gly Xaa
1 5

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<223> X3 : I or L or T or Y

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<400> 11

Tyr	Cys	Gln	Gln	Xaa	Tyr	Xaa	Xaa	Xaa	Thr
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<223> X3 : D or L or S or T or Y

<220>
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<220>
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<400> 12

Tyr Cys Xaa Gln Xaa Xaa Xaa Xaa Pro Xaa Thr
1 5 10

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<400> 13

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

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

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

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

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

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

Ala Arg Glu Arg Asp Tyr Asp Phe Asp Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

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

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

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

Trp Ile Gly Ile Ile Asn Pro Asn Phe Gly Asp Thr Asn Tyr Ala Gln
50 55 60

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

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

Tyr Cys Ala Arg Asp Glu Tyr Tyr Gly Gly Ser Tyr Tyr Phe Asp Tyr
100 105 110

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

<210> 16
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Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Val Arg Thr Ala
20 25 30

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

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

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

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

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

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

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

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

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

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Gly Ser Ser
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Tyr Thr Trp Thr
85 90 95

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

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

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

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

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

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

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

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

Gly Thr Leu Val Thr Val Ser Ser
115 120

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

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Ser Thr Phe
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ala Tyr Ser Ile Trp Thr
85 90 95

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

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

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

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

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

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

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

Tyr Cys Ala Arg Leu Gly Gly His Trp Tyr Phe Asp Val Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 22

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Arg Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

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

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

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

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

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

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

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

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

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<400> 24

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Ala
20 25 30

Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Tyr Thr Trp Thr
85 90 95

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

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

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

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 26
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<400> 26

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Asp
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Tyr Ser Tyr Ile Thr
85 90 95

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

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<400> 27

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

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

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

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

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

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

Ala Arg Gly Tyr Arg Gly Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

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<400> 28

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Ser Val Thr Ser Thr
20 25 30

Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser
50 55 60

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
65 70 75 80

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

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

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Tyr Ser Ile Ser Ser Gly
20 25 30

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

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

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

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

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

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

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<400> 30

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

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

Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Leu Trp Thr
85 90 95

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

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<400> 31

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

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

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

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

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

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

Cys Ala Arg Glu Tyr Tyr Gly Tyr Gly Tyr Ala Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 32

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<400> 32

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 33
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 33

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

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

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

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

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

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

Ala Arg Ser Asp Tyr Tyr Gly Ser His Phe Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 34
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 34

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Ser Val Asp Phe Asp
20 25 30

Gly Phe Ser Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
35 40 45

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

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

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

Thr Leu Pro Arg Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105 110

<210> 35
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 35

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

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

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

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

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

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

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

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

<210> 36
<211> 107

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 36

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

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

Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 37
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 37

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

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

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

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

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

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

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

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

<210> 38
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 38

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

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Thr Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Tyr Leu Trp Thr
85 90 95

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

<210> 39
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 39

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

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

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

Trp Leu Ala Leu Ile Asp Trp Ala Asp Asp Lys Tyr Tyr Ser Pro Ser
50 55 60

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

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

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

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

<210> 40
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 40

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Ser Thr Phe
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ala Tyr Ser Ile Trp Thr
85 90 95

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

<210> 41
<211> 123
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 41

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

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

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

Trp Leu Ala Leu Ile Asp Trp Asp Asp Asp Lys Tyr Tyr Ser Pro Ser
50 55 60

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

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

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

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

<210> 42

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 42

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Ser Pro Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

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

<210> 43
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 43

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

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

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

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

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

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

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

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

<210> 44
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 44

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Val Ser Pro Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
85 90 95

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

<210> 45
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 45

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

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

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

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

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

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

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

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

<210> 46
<211> 107

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 46

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Val Gly Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

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

<210> 47
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 47

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

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

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

Trp Leu Ala Leu Ile Asp Trp Asp Asp Asp Lys Tyr Tyr Ser Thr Ser
50 55 60

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

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

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

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

<210> 48
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 48

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

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Arg Thr Phe
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
85 90 95

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

<210> 49
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 49

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

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

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

Trp Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Tyr Tyr Ser Pro Ser
50 55 60

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

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

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

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

<210> 50
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 50

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Val
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

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

<210> 51
<211> 123
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 51

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

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

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

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

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

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

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

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

<210> 52

<211> 106

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 52

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

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

His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Tyr Thr Trp Thr Phe
85 90 95

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

<210> 53
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 53

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

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

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

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

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

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

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

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

<210> 54
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 54

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

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Arg Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
85 90 95

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

<210> 55
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 55

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

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

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

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

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

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

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

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

<210> 56
<211> 107

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 56

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Arg Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
85 90 95

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

<210> 57
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 57

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

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 58
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 58

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Thr Thr Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Tyr Ser Thr
85 90 95

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

<210> 59

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 59

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

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

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

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

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

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

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

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

<210> 60
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 60

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Ser
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
85 90 95

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

<210> 61
<211> 123
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 61

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

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

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

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

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

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

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

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

<210> 62

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 62

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

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

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Tyr Leu Trp Thr
85 90 95

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

<210> 63
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 63

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

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

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

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

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

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

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

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 64
<211> 110
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 64

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Ser Gly Arg
20 25 30

Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
50 55 60

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
65 70 75 80

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

Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105 110

<210> 65
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 65

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

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

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

Trp Leu Ala Leu Ile Asp Trp Ala Asp Asp Lys Tyr Tyr Ser Pro Ser
50 55 60

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

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

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

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

<210> 66
<211> 107

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 66

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Gly Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
85 90 95

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

<210> 67
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 67

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

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

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

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

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

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

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

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

<210> 68
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 68

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
85 90 95

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

<210> 69

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 69

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

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

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

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

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

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

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

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

<210> 70
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 70

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Val Gly Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Gln Leu Trp Thr
85 90 95

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

<210> 71
<211> 123
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 71

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

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

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

Trp Leu Ala Leu Ile Asp Trp Ala Asp Asp Lys Tyr Tyr Ser Pro Ser
50 55 60

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

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

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

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

<210> 72

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 72

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Tyr Leu Trp Thr
85 90 95

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

<210> 73
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 73

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

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

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

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

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

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

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

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

<210> 74
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 74

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Arg Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
85 90 95

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

<210> 75
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 75

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

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

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

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

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

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

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

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

<210> 76
<211> 107

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 76

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Gly Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

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

<210> 77
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 77

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

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

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

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

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

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

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

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

<210> 78
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 78

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Ser Ser Val
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Gln Ile Trp Thr
85 90 95

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

<210> 79
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 79

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

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

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

Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Tyr Tyr Ser Pro Ser Leu
50 55 60

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 80
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 80

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

Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Arg Val Gly Ser Val
20 25 30

Tyr Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

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

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

<210> 81
<211> 124
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 81

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

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

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

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

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

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

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

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

<210> 82

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 82

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

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Thr Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Tyr Leu Trp Thr
85 90 95

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

<210> 83
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 83

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

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

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

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

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

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

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

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

<210> 84
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 84

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

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Arg Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
85 90 95

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

<210> 85
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 85

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

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

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

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

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

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

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

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

<210> 86
<211> 107

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 86

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
85 90 95

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

<210> 87
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 87

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

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

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

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

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

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

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

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

<210> 88
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 88

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Arg Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

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

<210> 89

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 89

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

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

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

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

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

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

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

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

<210> 90
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 90

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Pro Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

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

<210> 91
<211> 124
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 91

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

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

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

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

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

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

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

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

<210> 92

<211> 108

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 92

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 93
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 93

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

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

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

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

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

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

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

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

<210> 94
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 94

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 95
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 95

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

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

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

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

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

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

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

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

<210> 96
<211> 108

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 96

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 97
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 97

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

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

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

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

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

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

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

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

<210> 98
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 98

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 99

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 99

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

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

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

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

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

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

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

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

<210> 100
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 100

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 101
<211> 124
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 101

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

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

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

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

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

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

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

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

<210> 102

<211> 108

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 102

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 103
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 103

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

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

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

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

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

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

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

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

<210> 104
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 104

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 105
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 105

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

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

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

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

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

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

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

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

<210> 106
<211> 108

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 106

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 107
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 107

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

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

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

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

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

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

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

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

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

<220>
<223> Synthetic sequence

<400> 108

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 109

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 109

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

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

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

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

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

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

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

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

<210> 110
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 110

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 111
<211> 124
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 111

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

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

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

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

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

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

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

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

<210> 112

<211> 108

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 112

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 113
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 113

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

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

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

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

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

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

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

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

<210> 114
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 114

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 115
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 115

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

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

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

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

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

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

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

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

<210> 116
<211> 108

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 116

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 117
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 117

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

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

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

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

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

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

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

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

<210> 118
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 118

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 119

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 119

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

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

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

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

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

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

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

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

<210> 120
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 120

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 121
<211> 124
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 121

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

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

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

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

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

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

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

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

<210> 122

<211> 108

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 122

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Val Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 123
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 123

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

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

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

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

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

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

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

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

<210> 124
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 124

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Val Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 125
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 125

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

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

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

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

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

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

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

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

<210> 126
<211> 108

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 126

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Val Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 127
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 127

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

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

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

Trp Ile Gly Asp Ile Tyr His Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
50 55 60

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

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

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

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

<210> 128

<211> 108

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 128

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 129

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 129

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

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

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

Trp Ile Gly Asp Ile Tyr His Ser Gly Ser Thr Tyr Tyr Ser Pro Ser
50 55 60

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

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

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

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

<210> 130
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 130

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 131
<211> 123
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 131

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

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

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

Trp Ile Gly Asp Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser
50 55 60

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

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

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

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

<210> 132

<211> 108

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 132

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

<210> 133
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 133
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tcctgtgcag cttccggatt caccttcacc agctacggta ttacttgggt gcgtcaggcc 120
ccgggtaagg gcctcgagtg ggtgtcttgt atctctgggt ccggtgatac tacctactac 180
gccgactctg tcaagggccg ttctactata agtcgcgaca attcgaaaaa cacactgtac 240
ctacaactga acagcttaag agctgaggac actgccgtct attattgcgc cagagaacgt 300
gattacgact tcgattactg gggtaagga acactagtca ccgtctcctc g 351

<210> 134
<211> 324

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 134
gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc 60
atcacctgcc gtgcctctca gtctgtgtct tcttacctgg cctggatatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttacta ctgccagcag tcttactcta cctctcacac cttcggtcag 300
ggtaccaagg tggagatcaa acga 324

<210> 135
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 135
gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc caggggggctc actccgtttg 60
tcctgtgcag cttccggatt ctctctgtct accagcggtg tggctgtgag ctggattcgt 120
caggccccgg gtaagggcct cgagtggatc ggtatcatca acccaaactt cggtgatact 180
aactacgccc agaagttcca gggtcgtgtg actataagtc gcgacaattc gaaaaacaca 240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgccaga 300
gacgaatact acggtggctc ttactacttc gactactggg gtcaaggaac actagtcacc 360
gtctcctcg 369

<210> 136
<211> 324
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 136

gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
atcacctgcc gtgccttctca ggacgtgcgc accgccgtgg cctgggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag tcctacgact ggcctccgac cttcggacag	300
ggtaccaagg tggagatcaa acga	324

<210> 137

<211> 363

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 137

gaggttcagc tggaggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg	60
tcctgtgcag cttccggatt ctctctgtct accggcgggtg tgggtgtgag ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttccatct ctggttccgg tgggtactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgccaga	300
gacgacctat actcctggta cttcgacgtg tgggggtcaag gaacactagt caccgtctcc	360
tcg	363

<210> 138

<211> 321

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 138

gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
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atcacctgcc gtgcctctca gggatttggc tcttccctgg cttggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgcc gcctcttctt tgcagtctgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactaca cctggacctt cggacagggt	300
accaaggtagg agatcaaacg a	321

<210> 139
 <211> 360
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 139	
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tcctgtgcag cttccggata ctctatcacc tctggttacc actggggctg gattcgtcag	120
gccccgggta agggcctcga gtgggtgtct gctatctctg gtgccggtagg ttctacctac	180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgag acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgccagagac	300
ggctacggtag gttcctactt cgactactgg ggtaaggaa cactagtcac cgtctcctcg	360

<210> 140
 <211> 321
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 140	
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atcacctgcc aggcctctca ggacatcagc acgttcctgg cctggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240

gaagacttcg caacttatta ctgccagcag gcctactcaa tctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 141
 <211> 360
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 141	
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tcctgtgcag cttccggatt caccttcacc ggctactgga ttcactgggt gcgtcaggcc	120
ccgggtaagg gcctcgagtg ggtgggtcgt atcagatcca agaccgacgg ttacactacc	180
gaatacgccg cccctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgccaga	300
ttgggtggtc actggtactt cgacgtctgg ggtcaaggaa cactagtcac cgtctcctcg	360

<210> 142
 <211> 324
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 142	
gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
atcacctgcc gtgccttctca gtccatcggc cgctacctga actggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgcgagcaa cccctggaac tcccacgaac cttcggacag	300
ggtaccaagg tggagatcaa acga	324

<210> 143
<211> 366
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 143
gaggttcagc tggtagagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg 60
tcctgtgcag cttccggata ctctatctcc tctggtcacc actggggctg gattcgtcag 120
gccccgggta agggcctcga gtgggtgtct ggtatctctg gttacggtga tactacctac 180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgccagagac 300
ccatactcca gcggttccgg ttactttgac tactgggggtc aaggaacact agtcaccgtc 360
tcctcg 366

<210> 144
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 144
gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc 60
atcacctgcc gtgcctctca gggatttagc tctgccctgg gttggtatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgcc gcctcttctt tgcagtctgg tgtgccatct 180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttatta ctgccagcag agctactaca cctggacctt cggacagggt 300
accaaggtgg agatcaaacg a 321

<210> 145
<211> 351
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 145

gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg	60
tcctgtgcag cttccggata ctctatcacc tctggttact actggggctg gattcgtcag	120
gccccgggta agggcctcga gtgggtgtct ggtatctctg gttccggttc ttctacctac	180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgccagaggt	300
acttactcct tcgacgtctg gggtaagga acactagtca ccgtctcctc g	351

<210> 146

<211> 321

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 146

gatatccagt tgaccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
atcacctgcc gtgcctctca gggatttagc tctgacctgg cttggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgcc gcctctacct tgcagtctgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag tactactctt acatcacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 147

<211> 351

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 147

gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg	60
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tcctgtgcag cttccggata caccttcacc ggctacgcta ttcactgggt gcgtcaggcc	120
ccgggtaagg gcctcgagtg ggtgtctgct atctctgggt acggtgggtc tacctactac	180
gccgactctg tcaagggccg ttctactata agtcgcgaca attcgaaaaa cacactgtac	240
ctacaactga acagcttaag agctgaggac actgccgtct attattgcgc cagaggctat	300
aggggttact tcgactactg ggggtcaagga acactagtca ccgtctcctc g	351

<210> 148
 <211> 327
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 148	
gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
atcacctgcc gtgcctctga gtctgttacc tctacctacc tggcctggta tcaacagaaa	120
ccaggaaaag ctccgaagct tctgatctac gacgcctcta acctggaaac cgggtgtgcca	180
tctcgcttct ctggatccgg ttccgggacg gatttcactc tgaccatcag cagtctgcag	240
ccggaagact tcgcaactta ttactgccag cagtactccg actggcctcc gaccttcgga	300
cagggtacca aggtggagat caaacga	327

<210> 149
 <211> 369
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 149	
gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg	60
tcctgtgcag cttccggata ctctatctcc tctgggttacc actggaactg gattcgtcag	120
gccccgggta agggcctcga gtgggtgtct tccatctctg gttccgggtg ttctacctac	180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg	240

tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgccagagac	300
cctaattact acagctccgg ctctacttc gactactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 150
 <211> 321
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 150	
gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
atcacctgcc gtgcctctca gggatttggc tctttcctgg gttggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag agctactccc tctggacctt cggacagggt	300
accaagggtgg agatcaaacg a	321

<210> 151
 <211> 363
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 151	
gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg	60
tcctgtgcag cttccggata ctctatctcc tctggttact actgggactg gattcgtcag	120
gccccgggta agggcctcga gtgggtgtct tccatctctg gtgacggtga tactacctac	180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgccagagag	300
tactacggat acggttacgc cttggactac tgggggtcaag gaacactagt caccgtctcc	360

tcg

363

<210> 152
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 152
gatatccagt tgaccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc 60
atcacctgcc gtgcctctca gggatatctct tcttacctgg cctggatatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct 180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag 300
ggtaccaagg tggagatcaa acga 324

<210> 153
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 153
gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg 60
tcctgtgcag cttccggata ctctatctcc tctggtcact actggggctg gattcgtcag 120
gccccgggta agggcctcga gtggctggcc ctgatcgact ggtacggatga caagtactac 180
tctacctctc tgaagtctcg tctgactata agtcgcgaca attcgaaaaa cacactgtac 240
ctacaactga acagcttaag agctgaggac actgccgtct attattgcgc gcgttccgac 300
tactacgggtt ctacttcga ctactgggggt caaggaacac tagtcaccgt ctctctcg 357

<210> 154
<211> 336

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 154
gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc 60
atcacctgcc gtgcctctga gtctgtggac ttcgacgggt tctctttcct ggcctgggtat 120
caacagaaac caggaaaagc tccgaagctt ctgatctacg acgcctctaa cctggaaacc 180
gggtgtgcat ctgccttctc tggatccggt tccgggacgg atttcactct gaccatcagc 240
agtctgcagc cggaagactt cgcaacttat tactgccagc agtacgatac tttgcctcgg 300
accttcggac agggtagcaa ggtggagatc aaacga 336

<210> 155
<211> 366
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 155
gaggttcagc tggtaggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg 60
tcctgtgcag cttccggata caccttctcc aactactgga ttacttgggt gcgtcaggcc 120
ccgggtaagg gcctcgagtg ggtgtcttac atctctgggt acggtgatac tacctactac 180
gccgactctg tcaagggccg tttactata agtcgcgaca attcgaaaaa cacactgtac 240
ctacaactga acagcttaag agctgaggac actgccgtct attattgcgc gcgtgagggt 300
tctaccaccg tggccggcga ctggttcgcc tactgggggtc aaggaacact agtcaccgtc 360
tcctcg 366

<210> 156
<211> 321
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 156

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atcacctgcc gtgccttctca ggggtattggc tctttcctgg gttggatatca acagaaacca    120
ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct      180
cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg      240
gaagacttcg caacttatta ctgccagcag tactactctt tggtcacctt cggacagggt      300
accaaggtgg agatcaaacg a                                                  321
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<210> 157

<211> 372

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 157

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tcctgtgcag cttccggatt ctctctgtct accggcgggtg tgggtgtggc ctggattcgt      120
caggccccgg gtaagggcct cgagtgggtg tcttccatct ctggttacgg ttctactacc      180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca      240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt      300
gagggttctg acgccgtgct cggcgactgg ttcggctact ggggtcaagg aacactagtc      360
accgtctcct cg                                                            372
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<210> 158

<211> 321

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 158

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atcacctgcc aggcctctca ggacatcacc acgtacctgg cctggatatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccgggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactacc tctggacctt cggacagggt	300
accaagggtgg agatcaaacg a	321

<210> 159
 <211> 369
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 159	
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tcctgtgcag cttccggatt ctctctgtct accagcgggtg tggctgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggccga tgacaagtac	180
tactctccct ctctgaagtc tcgtctgact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtgag	300
ggttctgacg ccgtgctcgg cgactgggtc gcctactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 160
 <211> 321
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 160	
gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
atcacctgcc gggcctctca ggacatcagc acgttcctgg cctggatatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct	180

cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag gcctactcca tctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 161
 <211> 369
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 161	
gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc caggggggctc actccgtttg	60
tcctgtgcag cttccggatt ctctctgtct accagcgggtg tgggtgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggacga tgacaagtac	180
tactctccct ctctgaagtc tcgtctgact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtggg	300
ggttctgaca cctgtctcgg cgactggttc gcctactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 162
 <211> 321
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 162	
gatatccagt tgaccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
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ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactccc tctggacctt cggacagggt	300

accaaggtgg agatcaaacg a 321

<210> 163
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 163
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cagggccccg gtaagggcct cgagtggctg gccctgatcg actgggccgg tgacaagtcc 180
tactctacct ctctgaagtc tcgtctgact ataagtcgag acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtggg 300
ggttctgaca ccgtgctcgg cgactgggtc gcctactggg gtcaaggaac actagtcacc 360
gtctcctcg 369

<210> 164
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 164
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atcacctgcc gtgcctctca gggcgtcagc cttacctgg cctggatatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct 180
cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttatta ctgccagcag ggctactcca cctggacctt cggacagggt 300
accaaggtgg agatcaaacg a 321

<210> 165
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 165
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tcctgtgcag cttccggata ctctatctcc tctggttacc actgggcctg gattcgtcag 120
gccccgggta agggcctcga gtgggtgtct tccatctctg gtgacggttc ttctacctac 180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtgaa 300
ggttcagacg ctgtgaccgg cgactgggtc gcctactggg gtcaaggaac actagtcacc 360
gtctcctcg 369

<210> 166
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 166
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ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct 180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttatta ctgccagcag ggctactcac tctggacctt cggacagggt 300
accaaggtgg agatcaaacg a 321

<210> 167
<211> 369
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 167

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caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggacga tgacaagtac	180
tactctacct ctctgaagtc tcgtctgact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtgag	300
ggttctaccg ccgtggccgg cgactggttc gcctactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 168

<211> 321

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 168

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ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactcca cctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 169

<211> 369

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 169
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caggccccgg gtaagggcct cgagtggatc ggtgaaatct accactctgg ttctacctac 180
tactctccat ctctgaagtc tcgtgtgact ataagtcgcg acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aaaagctgag gacactgccg tctattattg cgcgctgaa 300
ggttcagacg ttgtgaccgg cgactgggtc gcctactggg gtcaaggaac actagtcacc 360
gtctcctcg 369

<210> 170
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 170
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ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct 180
cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttatta ctgccagcag ggctactccc tctggacctt cggacagggt 300
accaaggtgg agatcaaacg a 321

<210> 171
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 171
gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg 60
tcctgtgcag cttccggata ctctatcacc tctggtcacc actgggcctg gattcgtcag 120

gccccgggta agggcctcga gtgggtgtct gctatctctg gtgacggttc tactacctac	180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtgag	300
ggttctaccg ccgtgaccgg cgactggttc gcctactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 172
 <211> 318
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 172	
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atcacctgct ctgcctcttc tcgcgtgggc tacgtgcact ggtatcaaca gaaaccagga	120
aaagctccga agcttctgat ctacgacgcc tcttctctgg aatctggtgt gccatctcgc	180
ttctctggat ccggttccgg gacggatttc actctgacca tcagcagtct gcagccggaa	240
gacttcgcaa cttattactg ccagcagggc tactacacct ggaccttcgg acagggtacc	300
aaggtggaga tcaaacga	318

<210> 173
 <211> 369
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 173	
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tcctgtgcag cttccggatt ctctctgtct accggcggtg tggctgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggccgg tgacaagtcc	180
tactctacct ctctgaagtc tcgtctgact ataagtcgcg acaattcgaa aaacacactg	240

tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtgaa	300
ggtgaagacg ctgtgaccgg cgactgggtc gcctactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 174
 <211> 321
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 174	
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccgggtc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactcca tctggacctt cggacagggt	300
accaagggtgg agatcaaacg a	321

<210> 175
 <211> 372
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 175	
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tcctgtgcag cttccggatt ctctctgtct accggcgggtg tgggtgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tctggatatct ctggttacgg ttctactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gaaggttcag acgctgtggc cggcgactgg ttcgactact ggggtcaagg aacactagtc	360

accgtctcct cg

372

<210> 176
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 176
gatatccagt tgaccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc 60
atcacctgcc gtgcctctca ggatattcgc tcttacctgg cttggtatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct 180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttatta ctgccagcag ggctactcca tctggacctt cggacagggt 300
accaaggtgg agatcaaacg a 321

<210> 177
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 177
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tcctgtgcag cttccggatt ctctctgtct accggcgggtg tggctgtggg ctggattcgt 120
caggccccgg gtaagggcct cgagtgggtg tctggtatct ctggtgacgg tgggtactacc 180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca 240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcaccctg 300
gaagactacg gtccgcacgc ctactgggggt caaggaacac tagtcaccgt ctcctcg 357

<210> 178
<211> 321

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 178
gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc 60
atcacctgcc gtgcctctca gtccatcacc acgtacctga actggtatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttatta ctgccagcag tcctactctt actcgacctt cggacagggt 300
accaaggtgg agatcaaacg a 321

<210> 179
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 179
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tcctgtgcag cttccggata ctctatcacc tctggtcact actgggcctg gattcgtcag 120
gccccgggta agggcctcga gtgggtgtct gctatctctg gttccggttc ttctacctac 180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcggtggg 300
ggttctgaca ccgtgctcgg cgactgggtc gcctactggg gtcaaggaac actagtcacc 360
gtctcctcg 369

<210> 180
<211> 321
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 180

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atcacctgcc gtgccttctca ggggtattagc tcttccctgg cttgggtatca acagaaacca      120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct      180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg      240
gaagacttcg caacttatta ctgccagcag ggctactcca cctggacctt cggacagggt      300
accaaggtgg agatcaaacg a                                          321
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<210> 181

<211> 369

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 181

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tcctgtgcag cttccggata ctctatcacc tctggtcact actgggcctg gattcgtcag      120
gccccgggta agggcctcga gtgggtgtct tccatctctg gttacggttc tactacctac      180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg      240
tacctacaac tgaacagttt aagagctgag gacactgccg tctattattg cgcgcgtggg      300
ggttctgacg ccgtgctcgg cgactggttc gcctactggg gtcaaggaac actagtcacc      360
gtctcctcg                                          369
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<210> 182

<211> 321

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 182

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atcacctgcc gtgcctctca gggatttggc tctttcctgg cttggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactacc tctggacctt cggacagggt	300
accaagggtg agatcaaacg a	321

<210> 183
 <211> 360
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 183	
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tcctgtgcag cttccggatt caccttctcc agctactgga ttcactgggt gcgtcaggcc	120
ccgggtaagg gcctcgagtg ggtgtctgtt atctctggtg acggtgatac tacctactac	180
gccgactctg tcaagggccg tttcactata agtcgcgaca attcgaaaaa cacactgtac	240
ctacaactga acagcttaag agctgaggac actgccgtct attattgcgc gcgttcccgt	300
ggtcttgtgc tagacgcctt cgactactgg ggtcaaggaa cactagtcac cgtctcctcg	360

<210> 184
 <211> 330
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 184	
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ccaggaaaag ctccgaagct tctgatctac gacgcctctt ctctggaatc tgggtgtgcca	180
tctcgcttct ctggatccgg ttccgggacg gatttcactc tgaccatcag cagtctgcag	240

ccggaagact tcgcaactta ttactgccag cagtacgact actggccacc ttacaccttc	300
ggacagggtta ccaaggtgga gatcaaacga	330

<210> 185
 <211> 369
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 185	
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tcctgtgcag cttccggatt ctctctgtct accagcggtg tgggtgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggccga tgacaagtac	180
tactctccct ctctgaagtc tcgtctgact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcggtggg	300
ggttctgacg ccgtgctcgg cgactggttc gcctactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 186
 <211> 321
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 186	
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactcca tctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 187
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 187
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tcctgtgcag cttccggata ctctatcacc tctggtcact actggaactg gattcgtcag 120
gccccgggta agggcctcga gtgggtgtct ggtatctctg gtgacggttc ttctacctac 180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtggg 300
ggttctgacg ccgtgctcgg cgactggttc gcctactggg gtcaaggaac actagtcacc 360
gtctcctcg 369

<210> 188
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 188
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accaaggtgg agatcaaacg a 321

<210> 189
<211> 369

<212> DNA
<213> Artificial Sequence

<220>
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<400> 189
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gccccgggta agggcctcga gtgggtgtct gctatctctg gttccggttc ttctacctac 180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtggg 300
ggttctgacg ccgtgctcgg cgactggttc gcctactggg gtcaaggaac actagtcacc 360
gtctcctcg 369

<210> 190
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
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<400> 190
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttatta ctgccagcag ggctaccaac tctggacctt cggacagggt 300
accaaggtgg agatcaaacg a 321

<210> 191
<211> 369
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 191

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caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggccga tgacaagtac	180
tactctccct ctctgaagtc tcgtctgact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtggg	300
ggttctgaca ccgtgatcgg cgactggttc gcctactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 192

<211> 321

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 192

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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactacc tctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 193

<211> 372

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 193

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caggccccgg gtaagggcct cgagtgggtg tctggatatct ctggtgccgg tgattctacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttctg acaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

<210> 194
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<220>
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<400> 194	
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactcca tctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 195
 <211> 369
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 195	
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tcctgtgcag cttccggatt ctctctgtct accagcggtg tggctgtggc ctggattcgt	120
caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggacga tgacaagcgt	180

tactctacct ctctgaagtc tcgtctgact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtgag	300
ggttctacca ccgtggtcgg cgactggttc gactactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 196
 <211> 321
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 196	
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atcacctgcc gtgcctctca gggcatcggc acttacctgg cctggatatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactccc tctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 197
 <211> 372
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 197	
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tcctgtgcag cttccggatt ctctctgtct accagcggtg tgggtgtggc ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgacgg tggttctacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300

gaaggttcag acgttgtggc cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

<210> 198
 <211> 321
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 198	
gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
atcacctgcc gtgcctctca ggatattagc tctgtcctgg cttggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctaccaaa tctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 199
 <211> 357
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 199	
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tcctgtgcag cttccggata ctctatctcc tctggttacc actgggcctg gattcgtcag	120
gccccgggta agggcctcga gtggatcggg gaaatctacc actctggttc tacctactac	180
tctccatctc tgaagtctcg tgtgactata agtcgcgaca attcgaaaaa cacactgtac	240
ctacaactga acagcttaag agctgaggac actgccgtct attattgcgc gcgttcccca	300
tactactacg gtgtgttcga ctactgggggt caaggaacac tagtcaccgt ctctctcg	357

<210> 200
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 200
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atcacctgct ctgcctcttc tcgcgtgggc agcgtgtact ggtatcaaca gaaaccagga 120
aaagctccga agcttctgat ctacgacgcc tctaacctgg aaaccggtgt gccatctcgc 180
ttctctggat ccggttccgg gacggatttc actctgacca tcagcagtct gcagccggaa 240
gacttcgcaa cttattactg ccagcagtac acccacgacc cagtcacctt cggacagggt 300
accaaggtgg agatcaaacg a 321

<210> 201
<211> 372
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 201
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tcctgtgcag cttccggatt ctctctgtct accggcgggtg tgggtgtggc ctggattcgt 120
caggccccgg gtaagggcct cgagtgggtg tcttccatct ctggttacgg ttctactacc 180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca 240
ctgtacctac aactgaacag ctttaagagct gaggacactg ccgtctatta ttgcgcgcgt 300
gagggttctg acgccgtgct cggcgactgg ttcggctact ggggtcaagg aacactagtc 360
accgtctcct cg 372

<210> 202
<211> 321
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 202

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ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccgggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactacc tctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 203

<211> 369

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 203

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tcctgtgcag cttccggata ctctatcacc tctggttacc actggagctg gattcgtcag	120
gccccgggta agggcctcga gtgggtgtct tccatctctg gttacgggtga tactacctac	180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtgag	300
ggttctgaca ccgtgctcgg cgactgggtc gcctactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 204

<211> 321

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 204
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atcacctgcc aggccttctca ggacatccgc acgtacctgg cctgggtatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttatta ctgccagcag ggctactcca tctggacctt cggacagggt 300
accaaggtgg agatcaaacg a 321

<210> 205
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 205
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tcctgtgcag cttccggata ctctatctcc tctggtcacc actgggcctg gattcgtcag 120
gccccgggta agggcctcga gtgggtgtct gttatctctg gttccggttc ttctacctac 180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgctgag 300
ggttctgaca ccgtgctcgg cgactgggtc gcctactggg gtcaaggaac actagtcacc 360
gtctcctcg 369

<210> 206
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 206
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atcacctgcc gtgccttctca gggcatcagc agttacctgg cctgggtatca acagaaacca 120

ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccgggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactcca cctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 207
 <211> 369
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 207	
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tcctgtgcag cttccggatt ctctctgtct accggcgggtg tggctgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggacgg tgacaagtcc	180
tactctacct ctctgaagtc tcgtctgact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtgag	300
ggttctaccg ccgtggtcgg cgactgggtc gactactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 208
 <211> 321
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 208	
gatatccagt tgaccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
atcacctgcc gtgcctctca gggcatcagc cgttacctgg cctggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccgggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240

gaagacttcg caacttatta ctgccagcag ggctactcac tctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 209
 <211> 372
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 209	
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tcctgtgcag cttccggatt ctctctgtct accagcggtg tgggtgtggc ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttccatct ctggtgccgg tgggtactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gggggttcta ccgccgtgac cggcgactgg ttcgactact ggggtcaagg aacactagtc	360
accgtctcct cg	372

<210> 210
 <211> 321
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 210	
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atcacctgcc gtgcctctca gggcatcagc ccttacctgg cctggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactccc tctggacctt cggacagggt	300
accaaggtgg agatcaaacg a	321

<210> 211
<211> 372
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 211
gaggttcagc tggaggagtc tggcgggtggc ctggtgcagc caggggggctc actccgtttg 60
tcctgtgcag cttccggatt ctctctgtct accggtgggtg tgggtgtggc ctggattcgt 120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggttccgg tgatactacc 180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca 240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt 300
gagggttctg acaccgtggt cggcgactgg ttcgcctact ggggtcaagg aacactagtc 360
accgtctcct cg 372

<210> 212
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 212
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atcacctgcc gtgcctctca gggatatctt tcttacctgg cctggatatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180
cgcttctctg gatccgggttc cgggacggat ttcactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttacta ctgccagcag tactacacca cccactgac cttcggtcag 300
ggtaccaagg tggagatcaa acga 324

<210> 213
<211> 372

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 213
gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg 60
tcctgtgcag cttccggatt ctctctgtct accggcgggtg tgggtgtggg ctggattcgt 120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgacgg tgatactacc 180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca 240
ctgtacctac aactgaacag ctttaagagct gaggacactg ccgtctatta ttgcgcgcgt 300
gagggttctg acaccgtggc cggcgactgg ttcgcctact ggggtcaagg aacactagtc 360
accgtctcct cg 372

<210> 214
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 214
gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc 60
atcacctgcc gtgcctctca gggatatctt tcttacctgg cctggatatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180
cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttacta ctgccagcag tactacacca cccactgac cttcggtcag 300
ggtaccaagg tggagatcaa acga 324

<210> 215
<211> 372
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 215

gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg	60
tcctgtgcag cttccggatt ctctctgtct accagcgggtg tgggtgtggc ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttccatct ctggttacgg tgggtactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttctg acaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

<210> 216

<211> 324

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 216

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atcacctgcc gtgcctctca gggatatctct tcttacctgg cctgggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccgggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tactacacca cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acga	324

<210> 217

<211> 372

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 217

gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg	60
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tcctgtgcag cttccggatt ctctctgtct accggcggtg tgggtgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgccgg tgggtactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag ctttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttctg acaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

<210> 218
 <211> 324
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 218	
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atcacctgcc gtgcctctca gggatatctt tcttacctgg cctggatatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tactacacca cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acga	324

<210> 219
 <211> 372
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 219	
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tcctgtgcag cttccggatt ctctctgtct accggcggtg tgggtgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgccgg tgggtactacc	180

tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttctg acgccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

<210> 220
 <211> 324
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 220	
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atcacctgcc gtgcctctca gggatatctct tcttacctgg cctggatatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tactacacca cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acga	324

<210> 221
 <211> 372
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 221	
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tcctgtgcag cttccggatt ctctctgtct accggcggtg tgggtgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgacgg tgatactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300

gagggttcta ccgccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

<210> 222
 <211> 324
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 222	
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atcacctgcc gtgcctctca gggatatctct tcttacctgg cctgggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tactacacca cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acga	324

<210> 223
 <211> 372
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 223	
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tcctgtgcag cttccggatt ctctctgtct accagcgggtg tgggtgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgacgg tggttctacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttcta ccgccgtggt cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

<210> 224
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 224
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atcacctgcc gtgcctctca gggatatctct tcttacctgg cctggatatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180
cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttacta ctgccagcag tactacacca cccactgac cttcggtcag 300
ggtaccaagg tggagatcaa acga 324

<210> 225
<211> 372
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 225
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tcctgtgcag cttccggatt ctctctgtct accggcgggtg tgggtgtggc ctggattcgt 120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggttacgg tgggtactacc 180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca 240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt 300
gagggttcta ccgccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc 360
accgtctcct cg 372

<210> 226
<211> 324

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 226
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atcacctgcc gtgcctctca gggatatctct tcttacctgg cctgggtatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag 300
ggtaccaagg tggagatcaa acga 324

<210> 227
<211> 372
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 227
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tcctgtgcag cttccggatt ctctctgtct accagcggta tgggtgtggg ctggattcgt 120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggttacgg tgggtactacc 180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca 240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt 300
gaaggttcag acgttgtggc cggcgactgg ttcgcctact ggggtcaagg aacactagtc 360
accgtctcct cg 372

<210> 228
<211> 324
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 228

gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc	60
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acga	324

<210> 229

<211> 369

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 229

gaggttcagc tggaggagtc tggcgggtggc ctggtgcagc cagggggctc actccgtttg	60
tcctgtgcag cttccggata ctctatctcc tctggtcacc actgggactg gattcgtcag	120
gccccgggta agggcctcga gtgggtgtct tacatctctg gtgccggtga tactacctac	180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgctgag	300
ggttctgacg ccgtgctcgg cgactgggtc gcctactggg gtcaaggaac actagtcacc	360
gtctcctcg	369

<210> 230

<211> 324

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 230

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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccgggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acga	324

<210> 231
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<220>
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<400> 231	
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tcctgtgcag cttccggatt ctctctgtct accagcgggtg tgggtgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgacgg tggttctacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttctg acaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

<210> 232
 <211> 324
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 232	
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180

cgcttctctg gatccgggtc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acga	324

<210> 233
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<220>
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<400> 233	
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caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgccgg ttctactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttctg acaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

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<220>
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<400> 234	
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccgggtc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag	300

ggtaccaagg tggagatcaa acga 324

<210> 235

<211> 372

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 235

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tcctgtgcag cttccggatt ctctctgtct accagcgggtg tgggtgtgag ctggattcgt 120

caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggttccgg tgatactacc 180

tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca 240

ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt 300

gagggttctg acgccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc 360

accgtctcct cg 372

<210> 236

<211> 324

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 236

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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180

cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg 240

gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag 300

ggtaccaagg tggagatcaa acga 324

<210> 237
<211> 372
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<213> Artificial Sequence

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<400> 237
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tcctgtgcag cttccggatt ctctctgtct accagcgggtg tgggtgtggg ctggattcgt 120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgacgg tgatactacc 180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca 240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt 300
gagggttcta ccaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc 360
accgtctcct cg 372

<210> 238
<211> 324
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<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 238
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180
cgcttctctg gatccgggttc cgggacggat ttcactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag 300
ggtaccaagg tggagatcaa acga 324

<210> 239
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<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 239

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tcctgtgcag cttccggatt ctctctgtct accggcgggtg tgggtgtggc ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgacgg tgggtactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag ctttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttctg acaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

<210> 240

<211> 324

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<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 240

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atcacctgcc gtgcctctca gggatatctct tcttacctgg cctgggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccgggtc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tcttactcta cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acga	324

<210> 241

<211> 372

<212> DNA

<213> Artificial Sequence

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<223> Synthetic sequence

<400> 241
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tcctgtgcag cttccggatt ctctctgtct accggcgggtg tgggtgtggg ctggattcgt 120
caggccccgg gtaagggcct cgagtgggtg tcttacatct ctggtgccgg tgattctacc 180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca 240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt 300
gagggttctg acaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc 360
accgtctcct cg 372

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<211> 324
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<213> Artificial Sequence

<220>
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<400> 242
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct 180
cgcttctctg gatccgggtc cgggacggat ttactctga ccatcagcag tctgcagccg 240
gaagacttcg caacttacta ctgccagcag tactacacca cccactgac cttcggtcag 300
ggtaccaagg tggagatcaa acga 324

<210> 243
<211> 372
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<213> Artificial Sequence

<220>
<223> Synthetic sequence

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tcctgtgcag cttccggatt ctctctgtct accagcgggtg tgggtgtggc ctggattcgt 120

caggccccgg gtaagggcct cgagtgggtg tcttccatct ctggttacgg tgggtactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaga	240
ctgtacctac aactgaacag ctttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttctg acaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

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 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 244	
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tactacacca cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acga	324

<210> 245
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 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 245	
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tcctgtgcag cttccggatt ctctctgtct accggcggtg tgggtgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttccatct ctggttccgg tggttctacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240

ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttctg acaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
accgtctcct cg	372

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 <213> Artificial Sequence

<220>
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<400> 246	
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccgggtc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttacta ctgccagcag tactacacca cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acga	324

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<220>
 <223> Synthetic sequence

<400> 247	
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tcctgtgcag cttccggatt ctctctgtct accagcggtg tgggtgtggg ctggattcgt	120
caggccccgg gtaagggcct cgagtggatt ggtgacatct accactctgg tagcacctac	180
tacaacccat ctctgaagtc tcgtgtgact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtgag	300
ggttctaccg ccgtgctcgg cgactgggtc gcctactggg gtcaaggaac actagtcacc	360

gtctcctcg 369

<210> 248
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
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<400> 248
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ggaaaagctc cgaagcttct gatctacgcc gcctctacct tgcagtctgg tgtgccatct 180
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gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag 300
ggtaccaagg tggagatcaa acga 324

<210> 249
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
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<400> 249
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tcctgtgcag cttccggatt ctctctgtct accagcgggtg tgggtgtgac ctggattcgt 120
caggccccgg gtaagagcct cgagtggatc ggtgacatct accactctgg ttctacctac 180
tactctccat ctctgaagtc tcgtgtgact ataagtcgcg acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtgaa 300
ggttcagacg ctgtggccgg cgactgggtc gactactggg gtcaaggaac actagtcacc 360
gtctcctcg 369

<210> 250
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 250
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ggaaaagctc cgaagcttct gatctacgcc gcctctacct tgcagtctgg tgtgccatct 180
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gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag 300
ggtaccaagg tggagatcaa acga 324

<210> 251
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 251
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tacaacccat ctctgaagtc tcgtgtgact ataagtgcgcg acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgctggg 300
ggttctgaca ccgtgggtcgg cgactgggtc gcctactggg gtcaaggaac actagtcacc 360
gtctcctcg 369

<210> 252
<211> 324
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 252

gatatccagt tgacccagtc cccgagttcc ctgtccgcct ctgtgggcga tcgggtcacc 60

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ggaaaagctc cgaagcttct gatctacgcc gcctctacct tgcagtctgg tgtgcatct 180

cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg 240

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ggtaccaagg tggagatcaa acga 324

<210> 253

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 253

Phe Thr Phe Thr Ser Tyr Gly Ile His Trp Val
1 5 10

<210> 254

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 254

Phe Ser Leu Ser Thr Ser Gly Val Ala Val Ser Trp Ile
1 5 10

<210> 255

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 255

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Gly	Val	Ser	Trp	Ile
1				5					10			

<210> 256

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 256

Tyr	Ser	Ile	Thr	Ser	Gly	Tyr	His	Trp	Gly	Trp	Ile
1				5					10		

<210> 257

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 257

Phe	Thr	Phe	Thr	Gly	Tyr	Trp	Ile	His	Trp	Val
1				5					10	

<210> 258

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 258

Tyr	Ser	Ile	Ser	Ser	Gly	His	His	Trp	Gly	Trp	Ile
1				5					10		

<210> 259
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 259

Tyr Ser Ile Thr Ser Gly Tyr Tyr Trp Gly Trp Ile
1 5 10

<210> 260
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 260

Tyr Thr Phe Thr Gly Tyr Ala Ile His Trp Val
1 5 10

<210> 261
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 261

Tyr Ser Ile Ser Ser Gly Tyr His Trp Asn Trp Ile
1 5 10

<210> 262
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 262

Tyr	Ser	Ile	Ser	Ser	Gly	Tyr	Tyr	Trp	Asp	Trp	Ile
1				5					10		

<210> 263

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 263

Tyr	Ser	Ile	Ser	Ser	Gly	His	Tyr	Trp	Gly	Trp	Ile
1				5					10		

<210> 264

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 264

Tyr	Thr	Phe	Ser	Asn	Tyr	Trp	Ile	His	Trp	Val
1				5					10	

<210> 265

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 265

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Gly	Val	Ala	Trp	Ile
1				5					10			

<210> 266
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 266

Phe Ser Leu Ser Thr Ser Gly Val Ala Val Gly Trp Ile
1 5 10

<210> 267
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 267

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 268
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 268

Phe Ser Leu Ser Thr Gly Gly Val Ala Val Gly Trp Ile
1 5 10

<210> 269
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 269

Tyr Ser Ile Ser Ser Gly Tyr His Trp Ala Trp Ile
1 5 10

<210> 270

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 270

Phe Ser Leu Ser Thr Ser Gly Val Ala Val Gly Trp Ile
1 5 10

<210> 271

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 271

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 272

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 272

Tyr Ser Ile Thr Ser Gly His His Trp Ala Trp Ile
1 5 10

<210> 273

<211> 13

<212> PRT
<213> Artificial Sequence

<220>
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<400> 273

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Ala	Val	Gly	Trp	Ile
1				5					10			

<210> 274
<211> 13
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<213> Artificial Sequence

<220>
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<400> 274

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Gly	Val	Gly	Trp	Ile
1				5					10			

<210> 275
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 275

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Ala	Val	Gly	Trp	Ile
1				5					10			

<210> 276
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 276

Tyr Ser Ile Thr Ser Gly His Tyr Trp Ala Trp Ile
1 5 10

<210> 277
<211> 12
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<213> Artificial Sequence

<220>
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<400> 277

Tyr Ser Ile Thr Ser Gly His Tyr Trp Ala Trp Ile
1 5 10

<210> 278
<211> 11
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<220>
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<400> 278

Phe Thr Phe Ser Ser Tyr Trp Ile His Trp Val
1 5 10

<210> 279
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 279

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 280
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 280

Tyr	Ser	Ile	Thr	Ser	Gly	His	Tyr	Trp	Asn	Trp	Ile
1				5					10		

<210> 281

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

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<400> 281

Tyr	Ser	Ile	Ser	Ser	Gly	His	Tyr	Trp	Thr	Trp	Ile
1				5					10		

<210> 282

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

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<400> 282

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Gly	Val	Gly	Trp	Ile
1				5					10			

<210> 283

<211> 13

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<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 283

Phe	Ser	Leu	Ser	Thr	Ser	Gly	Val	Gly	Val	Gly	Trp	Ile
1				5					10			

<210> 284
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 284

Phe Ser Leu Ser Thr Ser Gly Val Ala Val Ala Trp Ile
1 5 10

<210> 285
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 285

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Ala Trp Ile
1 5 10

<210> 286
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 286

Tyr Ser Ile Ser Ser Gly Tyr His Trp Ala Trp Ile
1 5 10

<210> 287
<211> 13
<212> PRT
<213> Artificial Sequence

<220>

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<400> 287

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Gly	Val	Ala	Trp	Ile
1				5					10			

<210> 288

<211> 12

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<213> Artificial Sequence

<220>

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<400> 288

Tyr	Ser	Ile	Thr	Ser	Gly	Tyr	His	Trp	Ser	Trp	Ile
1				5					10		

<210> 289

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

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<400> 289

Tyr	Ser	Ile	Ser	Ser	Gly	His	His	Trp	Ala	Trp	Ile
1				5					10		

<210> 290

<211> 13

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<213> Artificial Sequence

<220>

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<400> 290

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Ala	Val	Gly	Trp	Ile
1				5					10			

<210> 291
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 291

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Ala Trp Ile
1 5 10

<210> 292
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 292

Phe Ser Leu Ser Thr Gly Gly Val Gly Val Ala Trp Ile
1 5 10

<210> 293
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 293

Phe Ser Leu Ser Thr Gly Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 294
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 294

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Ala Trp Ile
1 5 10

<210> 295

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 295

Phe Ser Leu Ser Thr Gly Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 296

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 296

Phe Ser Leu Ser Thr Gly Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 297

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 297

Phe Ser Leu Ser Thr Gly Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 298

<211> 13

<212> PRT
<213> Artificial Sequence

<220>
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<400> 298

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 299
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 299

Phe Ser Leu Ser Thr Gly Gly Val Gly Val Ala Trp Ile
1 5 10

<210> 300
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 300

Phe Ser Leu Ser Thr Ser Gly Met Gly Val Gly Trp Ile
1 5 10

<210> 301
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 301

Tyr Ser Ile Ser Ser Gly His His Trp Asp Trp Ile
1 5 10

<210> 302
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 302

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 303
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 303

Phe Ser Leu Ser Thr Gly Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 304
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 304

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Ser Trp Ile
1 5 10

<210> 305
<211> 13
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 305

Phe	Ser	Leu	Ser	Thr	Ser	Gly	Val	Gly	Val	Gly	Trp	Ile
1				5					10			

<210> 306

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

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<400> 306

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Gly	Val	Ala	Trp	Ile
1				5					10			

<210> 307

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 307

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Gly	Val	Gly	Trp	Ile
1				5					10			

<210> 308

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 308

Phe	Ser	Leu	Ser	Thr	Ser	Gly	Val	Gly	Val	Ala	Trp	Ile
1				5					10			

<210> 309
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 309

Phe Ser Leu Ser Thr Gly Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 310
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 310

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 311
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 311

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Thr Trp Ile
1 5 10

<210> 312
<211> 13
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 312

Phe Ser Leu Ser Thr Ser Gly Val Ala Val Ala Trp Ile
1 5 10

<210> 313

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 313

Val Ser Gly Ile Ser Gly Ala Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 314

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 314

Ile Gly Ile Ile Asn Pro Asn Phe Gly Asp Thr Asn Tyr Ala Gln Lys
1 5 10 15

Phe Gln Gly Arg Val
20

<210> 315

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 315

Val Ser Ser Ile Ser Gly Ser Gly Gly Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 316

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 316

Val Ser Ala Ile Ser Gly Ala Gly Gly Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 317

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 317

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

Ala Pro Val Lys Gly Arg Phe
20

<210> 318

<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 318

Val	Ser	Gly	Ile	Ser	Gly	Tyr	Gly	Asp	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 319
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 319

Val	Ser	Gly	Ile	Ser	Gly	Ser	Gly	Ser	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 320
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 320

Val	Ser	Ala	Ile	Ser	Gly	Asp	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 321
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 321

Val Ser Ser Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 322
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 322

Val Ser Ser Ile Ser Gly Asp Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 323
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 323

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

Lys Ser Arg Leu
20

<210> 324
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 324

Val Ser Tyr Ile Ser Gly Asp Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 325
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 325

Val Ser Ser Ile Ser Gly Tyr Gly Ser Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 326
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 326

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

Lys Ser Arg Leu
20

<210> 327

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 327

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

Lys Ser Arg Leu
20

<210> 328

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 328

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

Lys Ser Arg Leu
20

<210> 329

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 329

Val Ser Ser Ile Ser Gly Asp Gly Ser Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 330

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 330

Leu Ala Leu Ile Asp Trp Asp Asp Asp Lys Tyr Tyr Ser Thr Ser Leu
1 5 10 15

Lys Ser Arg Leu
20

<210> 331

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 331

Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Tyr Tyr Ser Pro Ser Leu
1 5 10 15

Lys Ser Arg Val
20

<210> 332
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 332

Val Ser Ala Ile Ser Gly Asp Gly Ser Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 333
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 333

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

Lys Ser Arg Leu
20

<210> 334
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 334

Val Ser Gly Ile Ser Gly Tyr Gly Ser Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 335
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 335

Val Ser Gly Ile Ser Gly Asp Gly Gly Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 336
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 336

Val Ser Ala Ile Ser Gly Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 337
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 337

Val Ser Ser Ile Ser Gly Tyr Gly Ser Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 338
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 338

Val Ser Val Ile Ser Gly Asp Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 339
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 339

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

Lys Ser Arg Leu
20

<210> 340
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 340

Val	Ser	Gly	Ile	Ser	Gly	Asp	Gly	Ser	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 341

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 341

Val	Ser	Ala	Ile	Ser	Gly	Ser	Gly	Ser	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 342

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 342

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

Lys	Ser	Arg	Leu
			20

<210> 343

<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 343

Val	Ser	Gly	Ile	Ser	Gly	Ala	Gly	Asp	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 344
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 344

Leu	Ala	Leu	Ile	Asp	Trp	Asp	Asp	Asp	Lys	Arg	Tyr	Ser	Thr	Ser	Leu
1				5					10					15	

Lys	Ser	Arg	Leu
			20

<210> 345
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 345

Val	Ser	Tyr	Ile	Ser	Gly	Asp	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 346
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 346

Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Tyr Tyr Ser Pro Ser Leu
1 5 10 15

Lys Ser Arg Val
20

<210> 347
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 347

Val Ser Ser Ile Ser Gly Tyr Gly Ser Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 348
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 348

Val Ser Ser Ile Ser Gly Tyr Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 349
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 349

Val Ser Val Ile Ser Gly Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 350
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 350

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

Lys Ser Arg Leu
20

<210> 351
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 351

Val Ser Ser Ile Ser Gly Ala Gly Gly Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 352

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 352

Val Ser Tyr Ile Ser Gly Ser Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 353

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 353

Val Ser Tyr Ile Ser Gly Asp Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 354

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 354

Val	Ser	Ser	Ile	Ser	Gly	Tyr	Gly	Gly	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 355

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 355

Val	Ser	Tyr	Ile	Ser	Gly	Ala	Gly	Gly	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 356

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 356

Val	Ser	Tyr	Ile	Ser	Gly	Ala	Gly	Gly	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 357
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 357

Val	Ser	Tyr	Ile	Ser	Gly	Asp	Gly	Asp	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 358
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 358

Val	Ser	Tyr	Ile	Ser	Gly	Asp	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 359
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
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<400> 359

Val	Ser	Tyr	Ile	Ser	Gly	Tyr	Gly	Gly	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val Lys Gly Arg Phe
20

<210> 360
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 360

Val Ser Tyr Ile Ser Gly Tyr Gly Gly Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 361
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 361

Val Ser Tyr Ile Ser Gly Ala Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 362
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 362

Val Ser Tyr Ile Ser Gly Asp Gly Gly Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 363
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
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<400> 363

Val Ser Tyr Ile Ser Gly Ala Gly Ser Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 364
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
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<400> 364

Val Ser Tyr Ile Ser Gly Ser Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 365
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 365

Val	Ser	Tyr	Ile	Ser	Gly	Asp	Gly	Asp	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 366

<211> 21

<212> PRT

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<220>

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<400> 366

Val	Ser	Tyr	Ile	Ser	Gly	Asp	Gly	Gly	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 367

<211> 21

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<220>

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<400> 367

Val	Ser	Tyr	Ile	Ser	Gly	Ala	Gly	Asp	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 368

<211> 21

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<400> 368

Val Ser Ser Ile Ser Gly Tyr Gly Gly Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 369
<211> 21
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<220>
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<400> 369

Val Ser Ser Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 370
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 370

Ile Gly Asp Ile Tyr His Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu
1 5 10 15

Lys Ser Arg Val
20

<210> 371
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<220>
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<400> 371

Ile Gly Asp Ile Tyr His Ser Gly Ser Thr Tyr Tyr Ser Pro Ser Leu
1 5 10 15

Lys Ser Arg Val
20

<210> 372
<211> 20
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<213> Artificial Sequence

<220>
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<400> 372

Ile Gly Asp Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser Leu
1 5 10 15

Lys Ser Arg Val
20

<210> 373
<211> 10
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<220>
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<400> 373

Ala Arg Glu Arg Asp Tyr Asp Phe Asp Tyr
1 5 10

<210> 374
<211> 14
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<220>
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<400> 374

Ala Arg Asp Glu Tyr Tyr Gly Gly Ser Tyr Tyr Phe Asp Tyr
1 5 10

<210> 375
<211> 12
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<220>
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<400> 375

Ala Arg Asp Asp Leu Tyr Ser Trp Tyr Phe Asp Val
1 5 10

<210> 376
<211> 12
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<220>
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<400> 376

Ala Arg Asp Gly Tyr Gly Gly Ser Tyr Phe Asp Tyr
1 5 10

<210> 377
<211> 11
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<220>

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<400> 377

Ala Arg Leu Gly Gly His Trp Tyr Phe Asp Val
1 5 10

<210> 378

<211> 14

<212> PRT

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<220>

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<400> 378

Ala Arg Asp Pro Tyr Ser Ser Gly Ser Gly Tyr Phe Asp Tyr
1 5 10

<210> 379

<211> 9

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<220>

<223> Synthetic sequence

<400> 379

Ala Arg Gly Thr Tyr Ser Phe Asp Val
1 5

<210> 380

<211> 10

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<213> Artificial Sequence

<220>

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<400> 380

Ala Arg Gly Tyr Arg Gly Tyr Phe Asp Tyr
1 5 10

<210> 381
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 381

Ala	Arg	Asp	Pro	Asn	Tyr	Tyr	Ser	Ser	Gly	Ser	Tyr	Phe	Asp	Tyr
1				5					10					15

<210> 382
<211> 13
<212> PRT
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<220>
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<400> 382

Ala	Arg	Glu	Tyr	Tyr	Gly	Tyr	Gly	Tyr	Ala	Leu	Asp	Tyr
1				5					10			

<210> 383
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<220>
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<400> 383

Ala	Arg	Ser	Asp	Tyr	Tyr	Gly	Ser	His	Phe	Asp	Tyr
1				5					10		

<210> 384
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 384

Ala	Arg	Glu	Gly	Ser	Thr	Thr	Val	Ala	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 385

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 385

Ala	Arg	Glu	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Gly	Tyr
1				5					10					15

<210> 386

<211> 15

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<213> Artificial Sequence

<220>

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<400> 386

Ala	Arg	Glu	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 387

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 387

Ala	Arg	Gly	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 388

<211> 15

<212> PRT
<213> Artificial Sequence

<220>
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<400> 388

Ala	Arg	Gly	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 389
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<213> Artificial Sequence

<220>
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<400> 389

Ala	Arg	Glu	Gly	Ser	Asp	Ala	Val	Thr	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 390
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<220>
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<400> 390

Ala	Arg	Glu	Gly	Ser	Thr	Ala	Val	Ala	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 391
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 391

Ala Arg Glu Gly Ser Asp Val Val Thr Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 392
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 392

Ala Arg Glu Gly Ser Thr Ala Val Thr Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 393
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 393

Ala Arg Glu Gly Glu Asp Ala Val Thr Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 394
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 394

Ala Arg Glu Gly Ser Asp Ala Val Ala Gly Asp Trp Phe Asp Tyr
1 5 10 15

<210> 395
<211> 10
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<220>

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<400> 395

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

<210> 396

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

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<400> 396

Ala	Arg	Gly	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 397

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 397

Ala	Arg	Gly	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 398

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 398

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

<210> 399
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 399

Ala	Arg	Gly	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5				10						15

<210> 400
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 400

Ala	Arg	Gly	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5				10						15

<210> 401
<211> 15
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<213> Artificial Sequence

<220>
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<400> 401

Ala	Arg	Gly	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5				10						15

<210> 402
<211> 15
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<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 402

Ala	Arg	Gly	Gly	Ser	Asp	Thr	Val	Ile	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 403

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 403

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 404

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 404

Ala	Arg	Glu	Gly	Ser	Thr	Thr	Val	Val	Gly	Asp	Trp	Phe	Asp	Tyr
1				5					10					15

<210> 405

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 405

Ala	Arg	Glu	Gly	Ser	Asp	Val	Val	Ala	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 406
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 406

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

<210> 407
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 407

Ala	Arg	Glu	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Gly	Tyr
1				5					10					15

<210> 408
<211> 15
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<213> Artificial Sequence

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<400> 408

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 409
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 409

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 410

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

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<400> 410

Ala	Arg	Glu	Gly	Ser	Thr	Ala	Val	Val	Gly	Asp	Trp	Phe	Asp	Tyr
1				5					10					15

<210> 411

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

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<400> 411

Ala	Arg	Gly	Gly	Ser	Thr	Ala	Val	Thr	Gly	Asp	Trp	Phe	Asp	Tyr
1				5					10					15

<210> 412

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

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<400> 412

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Val	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 413

<211> 15

<212> PRT
<213> Artificial Sequence

<220>
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<400> 413

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Ala	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 414
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<400> 414

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 415
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 415

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 416
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 416

Ala Arg Glu Gly Ser Asp Ala Val Leu Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 417
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 417

Ala Arg Glu Gly Ser Thr Ala Val Leu Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 418
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 418

Ala Arg Glu Gly Ser Thr Ala Val Val Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 419
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 419

Ala Arg Glu Gly Ser Thr Ala Val Leu Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 420
<211> 15
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<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 420

Ala	Arg	Glu	Gly	Ser	Asp	Val	Val	Ala	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 421

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 421

Ala	Arg	Glu	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 422

<211> 15

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<213> Artificial Sequence

<220>

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<400> 422

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 423

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 423

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 424
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 424

Ala	Arg	Glu	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5				10					15	

<210> 425
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 425

Ala	Arg	Glu	Gly	Ser	Thr	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5				10					15	

<210> 426
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<213> Artificial Sequence

<220>
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<400> 426

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5				10					15	

<210> 427
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<213> Artificial Sequence

<220>

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<400> 427

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 428

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

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<400> 428

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 429

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 429

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 430

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 430

Ala	Arg	Glu	Gly	Ser	Thr	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 431
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 431

Ala	Arg	Glu	Gly	Ser	Asp	Ala	Val	Ala	Gly	Asp	Trp	Phe	Asp	Tyr
1				5					10					15

<210> 432
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<213> Artificial Sequence

<220>
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<400> 432

Ala	Arg	Gly	Gly	Ser	Asp	Thr	Val	Val	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 433
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<213> Artificial Sequence

<220>
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<400> 433

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

<210> 434
<211> 11
<212> PRT
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<220>
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<400> 434

Arg Ala Ser Gln Asp Val Arg Thr Ala Val Ala
1 5 10

<210> 435

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 435

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

<210> 436

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 436

Gln Ala Ser Gln Asp Ile Ser Thr Phe Leu Ala
1 5 10

<210> 437

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 437

Arg Ala Ser Gln Ser Ile Gly Arg Tyr Leu Asn
1 5 10

<210> 438

<211> 11

<212> PRT
<213> Artificial Sequence

<220>
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<400> 438

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

<210> 439
<211> 11
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<213> Artificial Sequence

<220>
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<400> 439

Arg Ala Ser Gln Gly Ile Ser Ser Asp Leu Ala
1 5 10

<210> 440
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<220>
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<400> 440

Arg Ala Ser Glu Ser Val Thr Ser Thr Tyr Leu Ala
1 5 10

<210> 441
<211> 11
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<400> 441

Arg Ala Ser Gln Gly Ile Gly Ser Phe Leu Gly
1 5 10

<210> 442
<211> 11
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<213> Artificial Sequence

<220>
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<400> 442

Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
1 5 10

<210> 443
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 443

Arg Ala Ser Glu Ser Val Asp Phe Asp Gly Phe Ser Phe Leu Ala
1 5 10 15

<210> 444
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 444

Arg Ala Ser Gln Gly Ile Gly Ser Phe Leu Gly
1 5 10

<210> 445
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 445

Gln	Ala	Ser	Gln	Asp	Ile	Thr	Thr	Tyr	Leu	Ala
1				5					10	

<210> 446

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 446

Arg	Ala	Ser	Gln	Asp	Ile	Ser	Thr	Phe	Leu	Ala
1				5					10	

<210> 447

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 447

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

<210> 448

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

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<400> 448

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

<210> 449
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<213> Artificial Sequence

<220>
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<400> 449

Arg Ala Ser Gln Gly Val Gly Thr Tyr Leu Ala
1 5 10

<210> 450
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 450

Gln Ala Ser Gln Asp Ile Arg Thr Phe Leu Ala
1 5 10

<210> 451
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 451

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

<210> 452
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

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<400> 452

Ser	Ala	Ser	Ser	Arg	Val	Gly	Tyr	Val	His
1				5					10

<210> 453

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 453

Gln	Ala	Ser	Gln	Asp	Ile	Arg	Thr	Tyr	Leu	Ala
1				5						10

<210> 454

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 454

Arg	Ala	Ser	Gln	Asp	Ile	Arg	Ser	Tyr	Leu	Ala
1				5						10

<210> 455

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

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<400> 455

Arg	Ala	Ser	Gln	Ser	Ile	Thr	Thr	Tyr	Leu	Asn
1				5						10

<210> 456
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<220>
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<400> 456

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

<210> 457
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 457

Arg Ala Ser Gln Gly Ile Gly Ser Phe Leu Ala
1 5 10

<210> 458
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 458

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

<210> 459
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 459

Arg Ala Ser Gln Gly Ile Gly Ser Tyr Leu Ala
1 5 10

<210> 460

<211> 11

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<213> Artificial Sequence

<220>

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<400> 460

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

<210> 461

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 461

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

<210> 462

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 462

Arg Ala Ser Gln Ser Ile Gly Ser Tyr Leu Ala
1 5 10

<210> 463

<211> 11

<212> PRT
<213> Artificial Sequence

<220>
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<400> 463

Arg	Ala	Ser	Gln	Asp	Ile	Arg	Ser	Tyr	Leu	Ala
1				5					10	

<210> 464
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<220>
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<400> 464

Arg	Ala	Ser	Gln	Gly	Ile	Gly	Thr	Tyr	Leu	Ala
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Arg	Ala	Ser	Gln	Asp	Ile	Ser	Ser	Val	Leu	Ala
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Ser Ala Ser Ser Arg Val Gly Ser Val Tyr
1 5 10

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<400> 467

Gln Ala Ser Gln Asp Ile Thr Thr Tyr Leu Ala
1 5 10

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<400> 468

Gln Ala Ser Gln Asp Ile Arg Thr Tyr Leu Ala
1 5 10

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<400> 469

Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
1 5 10

<210> 470
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<400> 470

Arg	Ala	Ser	Gln	Gly	Ile	Ser	Arg	Tyr	Leu	Ala
1				5					10	

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<400> 471

Arg	Ala	Ser	Gln	Gly	Ile	Ser	Pro	Tyr	Leu	Ala
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<400> 472

Arg	Ala	Ser	Gln	Gly	Ile	Ser	Ser	Tyr	Leu	Ala
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<400> 473

Arg	Ala	Ser	Gln	Gly	Ile	Ser	Ser	Tyr	Leu	Ala
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<400> 474

Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
1 5 10

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<400> 475

Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
1 5 10

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<400> 476

Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
1 5 10

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<400> 477

Arg	Ala	Ser	Gln	Gly	Ile	Ser	Ser	Tyr	Leu	Ala
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<400> 478

Arg	Ala	Ser	Gln	Gly	Ile	Ser	Ser	Tyr	Leu	Ala
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<400> 479

Arg	Ala	Ser	Gln	Gly	Ile	Ser	Ser	Tyr	Leu	Ala
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<400> 480

Arg	Ala	Ser	Gln	Gly	Ile	Ser	Ser	Tyr	Leu	Ala
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Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
1 5 10

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<400> 482

Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
1 5 10

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<400> 483

Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
1 5 10

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Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
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Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
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Arg Ala Ser Gln Gly Val Ser Ser Tyr Leu Ala
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Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu Asn
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<400> 492

Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu Asn
1 5 10

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<400> 493

Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

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Asp Ala Ser Asn Arg Ala Thr Gly Ile
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Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

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Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

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Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

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Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

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Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

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Asp Ala Ser Ser Leu Glu Ser Gly Val
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Asp Ala Ser Asn Arg Ala Thr Gly Ile
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Asp Ala Ser Ser Leu Glu Ser Gly Val
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Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

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Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

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Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

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Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Arg Ala Thr Gly Ile
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Asp Ala Ser Asn Arg Ala Thr Gly Ile
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Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

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Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

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Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Arg Ala Thr Gly Ile
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Asp Ala Ser Asn Arg Ala Thr Gly Ile
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
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Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

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<400> 550

Ala Ala Ser Thr Leu Gln Ser Gly Val
1 5

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<400> 551

Ala Ala Ser Thr Leu Gln Ser Gly Val
1 5

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Ala Ala Ser Thr Leu Gln Ser Gly Val
1 5

<210> 553

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<400> 553

Tyr Cys Gln Gln Ser Tyr Ser Thr Ser His Thr
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<400> 554

Tyr Cys Gln Gln Ser Tyr Asp Trp Pro Pro Thr
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<210> 555

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<223> Synthetic sequence

<400> 555

Tyr Cys Gln Gln Gly Tyr Tyr Thr Trp Thr
1 5 10

<210> 556
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<400> 556

Tyr Cys Gln Gln Ala Tyr Ser Ile Trp Thr
1 5 10

<210> 557
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<400> 557

Tyr Cys Glu Gln Pro Leu Glu Leu Pro Arg Thr
1 5 10

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<400> 558

Tyr Cys Gln Gln Ser Tyr Tyr Thr Trp Thr
1 5 10

<210> 559
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<400> 559

Tyr Cys Gln Gln Tyr Tyr Ser Tyr Ile Thr
1 5 10

<210> 560

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<400> 560

Tyr Cys Gln Gln Tyr Ser Asp Trp Pro Pro Thr
1 5 10

<210> 561

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<400> 561

Tyr Cys Gln Gln Ser Tyr Ser Leu Trp Thr
1 5 10

<210> 562

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<400> 562

Tyr Cys Gln Gln Tyr Tyr Ser Thr Pro Leu Thr
1 5 10

<210> 563

<211> 11

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<220>
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<400> 563

Tyr	Cys	Gln	Gln	Tyr	Asp	Thr	Leu	Pro	Arg	Thr
1				5					10	

<210> 564
<211> 10
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<220>
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<400> 564

Tyr	Cys	Gln	Gln	Tyr	Tyr	Ser	Leu	Val	Thr
1				5					10

<210> 565
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<220>
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<400> 565

Tyr	Cys	Gln	Gln	Gly	Tyr	Tyr	Leu	Trp	Thr
1				5					10

<210> 566
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<220>
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<400> 566

Tyr Cys Gln Gln Ala Tyr Ser Ile Trp Thr
1 5 10

<210> 567
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<220>
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<400> 567

Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
1 5 10

<210> 568
<211> 10
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<220>
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<400> 568

Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
1 5 10

<210> 569
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<220>
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<400> 569

Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
1 5 10

<210> 570
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<212> PRT
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<400> 570

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Thr	Trp	Thr
1				5					10

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<400> 571

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Leu	Trp	Thr
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<400> 572

Tyr	Cys	Gln	Gln	Gly	Tyr	Tyr	Thr	Trp	Thr
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<210> 573

<211> 10

<212> PRT

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<400> 573

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Ile	Trp	Thr
1				5					10

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<400> 574

Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
1 5 10

<210> 575
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<400> 575

Tyr Cys Gln Gln Ser Tyr Ser Tyr Ser Thr
1 5 10

<210> 576
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<400> 576

Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
1 5 10

<210> 577
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<400> 577

Tyr	Cys	Gln	Gln	Gly	Tyr	Tyr	Leu	Trp	Thr
1				5					10

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<400> 578

Tyr	Cys	Gln	Gln	Tyr	Asp	Tyr	Trp	Pro	Pro	Tyr	Thr
1				5							10

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<400> 579

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Ile	Trp	Thr
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<210> 580

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Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Thr	Trp	Thr
1				5					10

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Tyr	Cys	Gln	Gln	Gly	Tyr	Gln	Leu	Trp	Thr
1				5					10

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<400> 582

Tyr	Cys	Gln	Gln	Gly	Tyr	Tyr	Leu	Trp	Thr
1				5					10

<210> 583
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<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 583

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Ile	Trp	Thr
1				5					10

<210> 584
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 584

Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
1 5 10

<210> 585

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 585

Tyr Cys Gln Gln Gly Tyr Gln Ile Trp Thr
1 5 10

<210> 586

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 586

Tyr Cys Gln Gln Tyr Thr His Asp Pro Val Thr
1 5 10

<210> 587

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 587

Tyr Cys Gln Gln Gly Tyr Tyr Leu Trp Thr
1 5 10

<210> 588

<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 588

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Ile	Trp	Thr
1				5					10

<210> 589
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 589

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Thr	Trp	Thr
1				5					10

<210> 590
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 590

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Leu	Trp	Thr
1				5					10

<210> 591
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 591

Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
1 5 10

<210> 592
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 592

Tyr Cys Gln Gln Tyr Tyr Thr Thr Pro Leu Thr
1 5 10

<210> 593
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 593

Tyr Cys Gln Gln Tyr Tyr Thr Thr Pro Leu Thr
1 5 10

<210> 594
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 594

Tyr Cys Gln Gln Tyr Tyr Thr Thr Pro Leu Thr
1 5 10

<210> 595
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 595

Tyr	Cys	Gln	Gln	Tyr	Tyr	Thr	Thr	Pro	Leu	Thr
1				5					10	

<210> 596

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 596

Tyr	Cys	Gln	Gln	Tyr	Tyr	Thr	Thr	Pro	Leu	Thr
1				5					10	

<210> 597

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 597

Tyr	Cys	Gln	Gln	Tyr	Tyr	Thr	Thr	Pro	Leu	Thr
1				5					10	

<210> 598

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 598

Tyr	Cys	Gln	Gln	Tyr	Tyr	Thr	Thr	Pro	Leu	Thr
1				5					10	

<210> 599
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 599

Tyr Cys Gln Gln Tyr Tyr Ser Thr Pro Leu Thr
1 5 10

<210> 600
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 600

Tyr Cys Gln Gln Tyr Tyr Ser Thr Pro Leu Thr
1 5 10

<210> 601
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 601

Tyr Cys Gln Gln Tyr Tyr Ser Thr Pro Leu Thr
1 5 10

<210> 602
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 602

Tyr	Cys	Gln	Gln	Tyr	Tyr	Ser	Thr	Pro	Leu	Thr
1				5					10	

<210> 603

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 603

Tyr	Cys	Gln	Gln	Tyr	Tyr	Ser	Thr	Pro	Leu	Thr
1				5					10	

<210> 604

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 604

Tyr	Cys	Gln	Gln	Tyr	Tyr	Ser	Thr	Pro	Leu	Thr
1				5					10	

<210> 605

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 605

Tyr	Cys	Gln	Gln	Tyr	Tyr	Ser	Thr	Pro	Leu	Thr
1				5					10	

<210> 606
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 606

Tyr	Cys	Gln	Gln	Ser	Tyr	Ser	Thr	Pro	Leu	Thr
1				5					10	

<210> 607
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 607

Tyr	Cys	Gln	Gln	Tyr	Tyr	Thr	Thr	Pro	Leu	Thr
1				5					10	

<210> 608
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 608

Tyr	Cys	Gln	Gln	Tyr	Tyr	Thr	Thr	Pro	Leu	Thr
1				5					10	

<210> 609
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 609

Tyr	Cys	Gln	Gln	Tyr	Tyr	Thr	Thr	Pro	Leu	Thr
1				5					10	

<210> 610

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 610

Tyr	Cys	Gln	Gln	Tyr	Tyr	Ser	Thr	Pro	Leu	Thr
1				5					10	

<210> 611

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 611

Tyr	Cys	Gln	Gln	Tyr	Tyr	Ser	Thr	Pro	Leu	Thr
1				5					10	

<210> 612

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 612

Tyr	Cys	Gln	Gln	Tyr	Tyr	Ser	Thr	Pro	Leu	Thr
1				5					10	

<210> 613

<211> 450

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 613

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

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

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

Trp Ile Gly Ile Ile Asn Pro Asn Phe Gly Asp Thr Asn Tyr Ala Gln
50 55 60

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

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

Tyr Cys Ala Arg Asp Glu Tyr Tyr Gly Gly Ser Tyr Tyr Phe Asp Tyr
100 105 110

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

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

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

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 614
<211> 214
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 614

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Val Arg Thr Ala
20 25 30

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

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala
100 105 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
195 200 205

Phe Asn Arg Gly Glu Cys
210

<210> 615
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 615

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

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

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

Trp Leu Ala Leu Ile Asp Trp Ala Asp Asp Lys Tyr Tyr Ser Pro Ser
50 55 60

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

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

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

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

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

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

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 616
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 616

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Ser Thr Phe
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ala Tyr Ser Ile Trp Thr
85 90 95

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 617
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 617

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

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

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

Trp Leu Ala Leu Ile Asp Trp Asp Asp Asp Lys Tyr Tyr Ser Pro Ser
50 55 60

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

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

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

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

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

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

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 618
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 618

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Ser Pro Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 619
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 619

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

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

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

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

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

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

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

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

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

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

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 620
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 620

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

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

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Tyr Leu Trp Thr
85 90 95

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 621
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 621

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

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

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

Trp Leu Ala Leu Ile Asp Trp Ala Asp Asp Lys Tyr Tyr Ser Pro Ser
50 55 60

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

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

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

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

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

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

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 622
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 622

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Gly Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
85 90 95

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 623
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 623

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

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

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

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

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

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

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

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

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

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

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 624
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 624

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Gly Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 625
<211> 446
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 625

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

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

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

Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Tyr Tyr Ser Pro Ser Leu
50 55 60

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

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

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

Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
115 120 125

Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala Ala Leu
130 135 140

Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
145 150 155 160

Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
165 170 175

Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
180 185 190

Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp His Lys Pro
195 200 205

Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly Pro Pro
210 215 220

Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser Val Phe
225 230 235 240

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
245 250 255

Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro Glu Val
260 265 270

Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
275 280 285

Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser Val
290 295 300

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
305 310 315 320

Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr Ile Ser
325 330 335

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
340 345 350

Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
355 360 365

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
370 375 380

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
385 390 395 400

Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser Arg Trp
405 410 415

Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
420 425 430

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
435 440 445

<210> 626
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 626

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

Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Arg Val Gly Ser Val
20 25 30

Tyr Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
35 40 45

Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

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

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 627
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 627

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

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

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

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

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

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

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

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

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

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

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 628
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 628

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Arg Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 629
<211> 448
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 629

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

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

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

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

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

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

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

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
115 120 125

Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala
130 135 140

Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
145 150 155 160

Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
165 170 175

Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
180 185 190

Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp His
195 200 205

Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly
210 215 220

Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser
225 230 235 240

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
245 250 255

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro
260 265 270

Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
275 280 285

Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val
290 295 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305 310 315 320

Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr
325 330 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
340 345 350

Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys
355 360 365

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
370 375 380

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385 390 395 400

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser
405 410 415

Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
420 425 430

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
435 440 445

<210> 630
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 630

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Gly Ser Ser
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Tyr Thr Trp Thr
85 90 95

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 631
<211> 448
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 631

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

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

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

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

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

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

Cys Ala Arg Glu Tyr Tyr Gly Tyr Gly Tyr Ala Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
115 120 125

Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala
130 135 140

Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
145 150 155 160

Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
165 170 175

Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
180 185 190

Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp His
195 200 205

Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly
210 215 220

Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser
225 230 235 240

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
245 250 255

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro
260 265 270

Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
275 280 285

Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val
290 295 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305 310 315 320

Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr
325 330 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
340 345 350

Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys
355 360 365

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
370 375 380

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385 390 395 400

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser
405 410 415

Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
420 425 430

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
435 440 445

<210> 632
<211> 214
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 632

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala
100 105 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
195 200 205

Phe Asn Arg Gly Glu Cys
210

<210> 633
<211> 446
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 633

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

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

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

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

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

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

Ala Arg Ser Asp Tyr Tyr Gly Ser His Phe Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
115 120 125

Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala Ala Leu
130 135 140

Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
145 150 155 160

Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
165 170 175

Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
180 185 190

Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp His Lys Pro
195 200 205

Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly Pro Pro
210 215 220

Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser Val Phe
225 230 235 240

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
245 250 255

Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro Glu Val
260 265 270

Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
275 280 285

Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser Val
290 295 300

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
305 310 315 320

Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr Ile Ser
325 330 335

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
340 345 350

Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
355 360 365

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
370 375 380

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
385 390 395 400

Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser Arg Trp
405 410 415

Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
420 425 430

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
435 440 445

<210> 634
<211> 218
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 634

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Ser Val Asp Phe Asp
20 25 30

Gly Phe Ser Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
35 40 45

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

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

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

Thr Leu Pro Arg Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105 110

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln
115 120 125

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

Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
145 150 155 160

Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
165 170 175

Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys
180 185 190

His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro
195 200 205

Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
210 215

<210> 635

<211> 449

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 635

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

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

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

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

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

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

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

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro
115 120 125

Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr
130 135 140

Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr
145 150 155 160

Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro
165 170 175

Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr
180 185 190

Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp
195 200 205

His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr
210 215 220

Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro
225 230 235 240

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
245 250 255

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp
260 265 270

Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
275 280 285

Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val
290 295 300

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
305 310 315 320

Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys
325 330 335

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

Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr
355 360 365

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
370 375 380

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
385 390 395 400

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys
405 410 415

Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His Glu
420 425 430

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly
435 440 445

Lys

<210> 636
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 636

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

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

Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

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

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 637
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 637

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

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

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

Trp Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Tyr Tyr Ser Pro Ser
50 55 60

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

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

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

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

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

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

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 638
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 638

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Val
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 639
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 639

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

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

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

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

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

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

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

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

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

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

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 640
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 640

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
85 90 95

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 641
<211> 451
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 641

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

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

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

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

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

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

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

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

Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu
130 135 140

Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
145 150 155 160

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
165 170 175

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
180 185 190

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn
195 200 205

Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser
210 215 220

Lys Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly
225 230 235 240

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
245 250 255

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln
260 265 270

Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val
275 280 285

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr
290 295 300

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
305 310 315 320

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile
325 330 335

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
340 345 350

Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser
355 360 365

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
370 375 380

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
385 390 395 400

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val
405 410 415

Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met
420 425 430

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
435 440 445

Leu Gly Lys
450

<210> 642

<211> 213

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 642

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

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Arg Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
85 90 95

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 643
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 643

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

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

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

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

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

Tyr Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Glu Gly Ser Asp Thr Val Leu Gly Asp Trp Phe Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
115 120 125

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 644
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 644

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro
100 105 110

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 645
<211> 451
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 645

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Leu Ser Thr Gly
20 25 30

Gly Val Gly Val Ala Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu
35 40 45

Trp Val Ser Ser Ile Ser Gly Tyr Gly Ser Thr Thr Tyr Tyr Ala Asp
50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr
65 70 75 80

Leu Tyr Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Ala Arg Glu Gly Ser Asp Ala Val Leu Gly Asp Trp Phe Gly
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys
115 120 125

Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu
130 135 140

Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
145 150 155 160

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
165 170 175

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
180 185 190

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn
195 200 205

Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser
210 215 220

Lys Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly
225 230 235 240

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
245 250 255

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln
260 265 270

Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val
275 280 285

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr
290 295 300

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
305 310 315 320

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile
325 330 335

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
340 345 350

Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser
355 360 365

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
370 375 380

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
385 390 395 400

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val
405 410 415

Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met
420 425 430

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
435 440 445

Leu Gly Lys
450

<210> 646
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 646

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Thr Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Tyr Leu Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro
100 105 110

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 647

<211> 450

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 647

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Leu Ser Thr Gly
20 25 30

Gly Val Ala Val Gly Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu
35 40 45

Trp Leu Ala Leu Ile Asp Trp Ala Gly Asp Lys Ser Tyr Ser Thr Ser
50 55 60

Leu Lys Ser Arg Leu Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
65 70 75 80

Tyr Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Gly Gly Ser Asp Thr Val Leu Gly Asp Trp Phe Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
115 120 125

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 648
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 648

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Val Ser Pro Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro
100 105 110

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 649

<211> 450

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 649

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Tyr Ser Ile Ser Ser Gly
20 25 30

Tyr His Trp Ala Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
35 40 45

Val Ser Ser Ile Ser Gly Asp Gly Ser Ser Thr Tyr Tyr Ala Asp Ser
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
65 70 75 80

Tyr Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Glu Gly Ser Asp Ala Val Thr Gly Asp Trp Phe Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
115 120 125

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 650
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 650

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Val Gly Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro
100 105 110

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 651
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 651

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Leu Ser Thr Ser
20 25 30

Gly Val Ala Val Gly Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu
35 40 45

Trp Leu Ala Leu Ile Asp Trp Asp Asp Asp Lys Tyr Tyr Ser Thr Ser
50 55 60

Leu Lys Ser Arg Leu Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
65 70 75 80

Tyr Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Glu Gly Ser Thr Ala Val Ala Gly Asp Trp Phe Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
115 120 125

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 652
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 652

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Arg Thr Phe
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro
100 105 110

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 653
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 653

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Leu Ser Thr Gly
20 25 30

Gly Val Ala Val Gly Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu
35 40 45

Trp Leu Ala Leu Ile Asp Trp Ala Gly Asp Lys Ser Tyr Ser Thr Ser
50 55 60

Leu Lys Ser Arg Leu Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
65 70 75 80

Tyr Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Glu Gly Glu Asp Ala Val Thr Gly Asp Trp Phe Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
115 120 125

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 654

<211> 213

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 654

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Arg Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro
100 105 110

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 655
<211> 447
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 655

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Val Ile Ser Gly Asp Gly Asp Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ser Arg Gly Leu Val Leu Asp Ala Phe Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly Pro
210 215 220

Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser Val
225 230 235 240

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
245 250 255

Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro Glu
260 265 270

Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
275 280 285

Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser
290 295 300

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
305 310 315 320

Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr Ile
325 330 335

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
340 345 350

Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu
355 360 365

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
370 375 380

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
385 390 395 400

Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser Arg
405 410 415

Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
420 425 430

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
435 440 445

<210> 656

<211> 216

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 656

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Ser Gly Arg
20 25 30

Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
50 55 60

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
65 70 75 80

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp Tyr Trp Pro
85 90 95

Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val
100 105 110

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys
115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg
130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn
145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser
165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys
180 185 190

Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr
195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys
210 215

<210> 657
<211> 450
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 657

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Leu Ser Thr Gly
20 25 30

Gly Val Gly Val Gly Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu
35 40 45

Trp Leu Ala Leu Ile Asp Trp Ala Asp Asp Lys Tyr Tyr Ser Pro Ser
50 55 60

Leu Lys Ser Arg Leu Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
65 70 75 80

Tyr Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Gly Gly Ser Asp Thr Val Ile Gly Asp Trp Phe Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
115 120 125

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 658
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 658

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Ser Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Tyr Leu Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro
100 105 110

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 659

<211> 450

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 659

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Tyr Ser Ile Thr Ser Gly
20 25 30

Tyr His Trp Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
35 40 45

Val Ser Ser Ile Ser Gly Tyr Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
65 70 75 80

Tyr Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Glu Gly Ser Asp Thr Val Leu Gly Asp Trp Phe Ala Tyr
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
115 120 125

Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val
195 200 205

Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Ser Lys
210 215 220

Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Gln Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
435 440 445

Gly Lys
450

<210> 660
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 660

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Arg Thr Tyr
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro
100 105 110

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205

Asn Arg Gly Glu Cys
210

<210> 661
<211> 1350
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 661
gaggttcagc tgggtggagtc tggcgggtggc ctggtgcagc caggggggctc actccgtttg 60
tcctgtgcag cttccggatt ctctctgtct accagcgggtg tggctgtgag ctggattcgt 120
caggccccgg gtaagggcct cgagtggatc ggtatcatca acccaaactt cggtgatact 180

aactacgccc agaagttcca gggtcgtgtg actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaaagagct gaggacactg ccgtctatta ttgcgccaga	300
gacgaatact acgggtggctc ttactacttc gactactggg gtcaaggaac actagtcacc	360
gtctcctcgg cttccaccaa gggcccatcg gtcttccccc tggcgccctg ctccaggagc	420
acctccgaga gcacagccgc cctgggctgc ctggtcaagg actacttccc cgaaccgggtg	480
acgggtgtcgt ggaactcagg cgccctgacc agcggcgtgc acaccttccc ggctgtccta	540
cagtcctcag gactctactc cctcagcagc gtggtgaccg tgccctccag cagcttgggc	600
acgaagacct acacctgcaa cgtagatcac aagcccagca acaccaaggt ggacaagaga	660
gttgagtcca aatatgggtcc cccatgcccc ccatgcccag cacctgagtt cctgggggga	720
ccatcagtct tcctgttccc cccaaaaccc aaggacactc tcatgatctc ccggaccct	780
gaggtcacgt gcgtgggtgt ggacgtgagc caggaagacc ccgaggtcca gttcaactgg	840
tacgtggatg gcgtggaggt gcataatgcc aagacaaaagc cgcgggagga gcagttcaac	900
agcacgtacc gtgtggtcag cgtcctcacc gtcctgcacc aggactggct gaacggcaag	960
gagtacaagt gcaaggtctc caacaaaggc ctcccgtcct ccatcgagaa aaccatctcc	1020
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atgaccaaga accaggtcag cctgacctgc ctggtcaaag gcttctaccc cagcgacatc	1140
gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac gcctcccgtg	1200
ctggactccg acggctcctt cttcctctac agcaggctaa ccgtggacaa gagcagggtg	1260
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cagaagagcc tctccctgtc tctgggtaaa	1350

<210> 662
 <211> 642
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic sequence

<400> 662
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gagtctgtga ctgaacagga cagtaaagat tcaacctata gcctgtcctc tacactgact 540
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<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 663
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cagtcctcag gactctactc cctcagcagc gtggtgaccg tgccctccag cagcttgggc	600
acgaagacct acacctgcaa cgtagatcac aagcccagca acaccaaggt ggacaagaga	660
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 <213> Artificial Sequence

<220>
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<400> 664	
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ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct	180
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gaagacttcg caacttatta ctgccagcag gcctactcca tctggacctt cggacagggt	300
accaaggtgg agatcaaacg aaccgtggcc gctccctccg tcttcatttt tcccccttct	360

gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct	420
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tccagtccag tcacaaaagtc attcaatagg ggggagtg	639

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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 665	
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 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 666	
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tccagtccag tcacaaagtc attcaatagg ggggagtgt	639

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<211> 1350
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 667
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tacgccgact ctgtcaaggg ccgttttact ataagtcgcg acaattcgaa aaacacactg 240
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 668	
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gaagacttcg caacttatta ctgccagcag ggctactacc tctggacctt cggacagggt	300
accaagggtgg agatcaaacg aaccgtggcc gtcacctccg tcttcatttt tcccccttct	360
gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct	420
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tctgtgactg aacaggacag taaagattca acctatagcc tgtcctctac actgactctg	540
tccaaggctg attacgaaaa gcataaagtc tatgcatgtg aggtcaccca tcaggggctg	600
tccagtccag tcacaaagtc attcaatagg ggggagtg	639

<210> 669
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 669	
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caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggccga tgacaagtac	180
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ggttctgacg ccgtgctcgg cgactggttc gcctactggg gtcaaggaac actagtcacc	360
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ccatcagtct tcctgttccc cccaaaaccc aaggacactc tcatgatctc ccggaccct	780
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<210> 670

<211> 639

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 670

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gaagacttcg caacttatta ctgccagcag ggctactcca tctggacctt cggacagggt      300
accaagggtg agatcaaacg aaccgtggcc gctccctccg tcttcatttt tcccccttct      360
gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct      420
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tctgtgactg aacaggacag taaagattca acctatagcc tgtcctctac actgactctg      540
tccaaggctg attacgaaaa gcataaagtc tatgcatgtg aggtcaccca tcaggggctg      600
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<210> 671

<211> 1350

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 671

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 <212> DNA
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<220>
 <223> Synthetic sequence

<400> 672	
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 673	
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<220>
 <223> Synthetic sequence

<400> 674	
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atcacctgct ctgcctcttc tcgctggggc agcgtgtact ggtatcaaca gaaaccagga	120
aaagctccga agcttctgat ctacgacgcc tctaacctgg aaaccggtgt gccatctcgc	180
ttctctggat ccggttccgg gacggatttc actctgacca tcagcagtct gcagccggaa	240
gacttcgcaa cttattactg ccagcagtac acccacgacc cagtcacctt cggacagggt	300
accaaggtgg agatcaaacg aaccgtggcc gtcacctccg tcttcatttt tcccccttct	360
gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct	420
agagaggcaa aagtgcagtg gaaggtcgat aacgccctgc agagcggcaa ttcccaggag	480
tctgtgactg aacaggacag taaagattca acctatagcc tgtcctctac actgactctg	540
tccaaggctg attacgaaaa gcataaagtc tatgcatgtg aggtcaccca tcaggggctg	600
tccagtccag tcacaaagtc attcaatagg ggggagtgt	639

<210> 675
<211> 1350
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 675
gagggttcagc tgggtggagtc tggcgggtggc ctggtgcagc caggggggctc actccgtttg 60
tcctgtgcag cttccggatt ctctctgtct accggcgggtg tggctgtggg ctggattcgt 120
caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggacgg tgacaagtcc 180
tactctacct ctctgaagtc tcgtctgact ataagtcgcg acaattcgaa aaacacactg 240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgcgtagag 300
ggttctaccg ccgtgggtcgg cgactggttc gactactggg gtcaaggaac actagtcacc 360
gtctcctcgg cttccaccaa gggcccatcg gtcttcccc tggcgccctg ctccaggagc 420
acctccgaga gcacagccgc cctgggctgc ctggtcaagg actacttccc cgaaccgggtg 480
acgggtgtcgt ggaactcagg cgccctgacc agcggcgtgc acaccttccc ggctgtccta 540
cagtcctcag gactctactc cctcagcagc gtggtgaccg tgccctccag cagcttgggc 600
acgaagacct acacctgcaa cgtagatcac aagcccagca acaccaaggt ggacaagaga 660
gttgagtcca aatatgggtc cccatgcccc ccatgcccag cacctgagtt cctggggggga 720
ccatcagtct tcctgttccc cccaaaaccc aaggacactc tcatgatctc ccggaccctt 780
gaggtcacgt gcgtgggtggg ggacgtgagc caggaagacc ccgagggtcca gttcaactgg 840
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agcacgtacc gtgtgggtcag cgtcctcacc gtcctgcacc aggactggct gaacggcaag 960
gagtacaagt gcaaggctct caacaaaggc ctcccgtcct ccatcgagaa aaccatctcc 1020
aaagccaaaag ggcagccccg agagccacag gtgtacaccc tgcccccatc ccaggaggag 1080
atgaccaaga accagggtcag cctgacctgc ctggtcaaag gcttctaccc cagcgacatc 1140
gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac gcctcccgtg 1200

ctggactccg acggctcctt cttcctctac agcaggctaa ccgtggacaa gagcagggtgg	1260
caggagggga atgtcttctc atgctccgtg atgcatgagg ctctgcacaa ccactacaca	1320
cagaagagcc tctccctgtc tctgggtaaa	1350

<210> 676
 <211> 639
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 676	
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atcacctgcc gtgccttctca gggcatcagc cgttacctgg cctgggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactcac tctggacctt cggacagggt	300
accaagggtgg agatcaaacg aaccgtggcc gctccctccg tcttcatttt tcccccttct	360
gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct	420
agagaggcaa aagtgcagtg gaaggtcgat aacgccctgc agagcggcaa ttcccaggag	480
tctgtgactg aacaggacag taaagattca acctatagcc tgtcctctac actgactctg	540
tccaaggctg attacgaaaa gcataaagtc tatgcatgtg aggtcaccca tcaggggctg	600
tccagtccag tcacaaaagtc attcaatagg ggggagtgt	639

<210> 677
 <211> 1344
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 677	
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tcctgtgcag cttccggatt ctctctgtct accggcgggtg tgggtgtgag ctggattcgt	120
caggccccgg gtaagggcct cgagtgggtg tcttccatct ctggttccgg tgggtactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag ctttaagagct gaggacactg ccgtctatta ttgcgccaga	300
gacgacctat actcctggta cttcgacgtg tgggggtcaag gaacactagt caccgtctcc	360
tcggcttcca ccaagggccc atcgggtcttc cccctggcgc cctgctccag gagcacctcc	420
gagagcacag ccgcccctggg ctgcctgggtc aaggactact tccccgaacc ggtgacgggtg	480
tcgtggaact caggcgccct gaccagcggc gtgcacacct tcccggctgt cctacagtcc	540
tcaggactct actccctcag cagcgtgggtg accgtgccct ccagcagctt gggcacgaag	600
acctacacct gcaacgtaga tcacaagccc agcaacacca aggtggacaa gagagttgag	660
tccaaatatg gtcccccatg cccaccatgc ccagcacctg agttcctggg gggaccatca	720
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acgtgcgtgg tgggtggacgt gagccaggaa gaccccgagg tccagttcaa ctggtacgtg	840
gatggcgtgg aggtgcataa tgccaagaca aagccgcggg aggagcagtt caacagcacg	900
taccgtgtgg tcagcgtcct caccgtcctg caccaggact ggctgaacgg caaggagtac	960
aagtgcgaagg tctccaacaa aggccctccc tcctccatcg agaaaaccat ctccaaagcc	1020
aaagggcagc cccgagagcc acagggtgtac accctgcccc catcccagga ggagatgacc	1080
aagaaccagg tcagcctgac ctgcctgggtc aaaggcttct accccagcga catcgccgtg	1140
gagtgggaga gcaatgggca gccggagaac aactacaaga ccacgcctcc cgtgctggac	1200
tccgacggct ctttcttcct ctacagcagg ctaaccgtgg acaagagcag gtggcaggag	1260
gggaatgtct tctcatgctc cgtgatgcat gaggctctgc acaaccacta cacacagaag	1320
agcctctccc tgtctctggg taaa	1344

<210> 678

<211> 639

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 678

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atcacctgcc gtgcctctca gggatttggc tcttccctgg cttggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgcc gcctcttctt tgcagtctgg tgtgccatct	180
cgcttctctg gatccgggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactaca cctggacctt cggacagggt	300
accaagggtg agatcaaacg aaccgtggcc gctccctccg tcttcatttt tcccccttct	360
gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct	420
agagaggcaa aagtgcagtg gaaggctgat aacgccctgc agagcggcaa ttcccaggag	480
tctgtgactg aacaggacag taaagattca acctatagcc tgtcctctac actgactctg	540
tccaaggctg attacgaaaa gcataaagtc tatgcatgtg aggtcaccca tcaggggctg	600
tccagtccag tcacaaagtc attcaatagg ggggagtgt	639

<210> 679

<211> 1344

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 679

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tcctgtgcag cttccggata ctctatctcc tctggttact actgggactg gattcgtcag	120
gccccgggta agggcctcga gtgggtgtct tccatctctg gtgacgggtga tactacctac	180
tacgccgact ctgtcaaggg ccgtttcact ataagtcgcg acaattcgaa aaacacactg	240
tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgccagagag	300
tactacggat acggttacgc cttggactac tgggggtcaag gaacactagt caccgtctcc	360
tcggcttcca ccaagggcc atcggctctt cccctggcgc cctgctccag gagcacctcc	420

gagagcacag ccgcccctggg ctgcctgggc aaggactact tccccgaacc ggtgacggtg	480
tcgtggaact caggcgccct gaccagcggc gtgcacacct tcccggctgt cctacagtcc	540
tcaggactct actccctcag cagcgtgggtg accgtgccct ccagcagctt gggcacgaag	600
acctacacct gcaacgtaga tcacaagccc agcaacacca aggtggacaa gagagttgag	660
tccaaatatg gtcccccatg cccaccatgc ccagcacctg agttcctggg gggaccatca	720
gtcttcctgt tcccccaaaa acccaaggac acttctcatga tctcccggac ccctgaggtc	780
acgtgcgtgg tgggtggacgt gagccaggaa gaccccgagg tccagttcaa ctggtacgtg	840
gatggcgtgg aggtgcataa tgccaagaca aagccgcggg aggagcagtt caacagcacg	900
taccgtgtgg tcagcgtcct caccgtcctg caccaggact ggctgaacgg caaggagtac	960
aagtgcaagg tctccaacaa aggcctcccg tcctccatcg agaaaaccat ctccaaagcc	1020
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aagaaccagg tcagcctgac ctgcctgggc aaaggcttct accccagcga catcgccgtg	1140
gagtgggaga gcaatgggca gccggagAAC aactacaaga ccacgcctcc cgtgctggac	1200
tccgacggct ctttcttctt ctacagcagg ctaaccgtgg acaagagcag gtggcaggag	1260
gggaatgtct tctcatgctc cgtgatgcat gaggctctgc acaaccacta cacacagaag	1320
agcctctccc tgtctctggg taaa	1344

<210> 680
 <211> 642
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 680	
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atcacctgcc gtgccttctc gggatatctt tcttacctgg cctggatatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240

gaagacttcg caacttacta ctgccagcag tactactcta cccactgac cttcggtcag	300
ggtaccaagg tggagatcaa acgaaccgtg gccgctccct ccgtcttcat ttttccccct	360
tctgacgaac agctgaagag tgggacagcc agcgtggtct gtctgctgaa caatttctac	420
cctagagagg caaaagtgca gtggaaggtc gataacgccc tgcagagcgg caattcccag	480
gagtctgtga ctgaacagga cagtaaagat tcaacctata gcctgtcctc tacactgact	540
ctgtccaagg ctgattacga aaagcataaa gtctatgcat gtgaggtcac ccatcagggg	600
ctgtccagtc cagtcacaaa gtcattcaat agggggggagt gt	642

<210> 681
 <211> 1338
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 681	
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tcctgtgcag cttccggata ctctatctcc tctggtcact actgggggctg gattcgtcag	120
gccccgggta agggcctcga gtggctggcc ctgatcgact ggtacggtga caagtactac	180
tctacctctc tgaagtctcg tctgactata agtcgcgaca attcgaaaaa cacactgtac	240
ctacaactga acagcttaag agctgaggac actgccgtct attattgcgc gcgttccgac	300
tactacgggt ctcacttcga ctactgggggt caaggaacac tagtcaccgt ctctcggct	360
tccaccaagg gcccatcgggt cttccccctg gcgccctgct ccaggagcac ctccgagagc	420
acagccgccc tgggctgcct ggtcaaggac tacttccccg aaccggtgac ggtgtcgtgg	480
aactcaggcg ccctgaccag cggcgtgcac accttcccgg ctgtcctaca gtcctcagga	540
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acctgcaacg tagatcacaa gcccgacaac accaagggtg acaagagagt tgagtccaaa	660
tatggtcccc catgcccacc atgcccagca cctgagttcc tgggggggacc atcagtcttc	720
ctgttcccc caaaaccaa ggacactctc atgatctccc ggaccctga ggtcacgtgc	780

gtggtggtgg acgtgagcca ggaagacccc gaggtccagt tcaactggta cgtggatggc	840
gtggaggtgc ataatgccaa gacaaaagccg cgggaggagc agttcaacag cacgtaccgt	900
gtggtcagcg tcctcaccgt cctgcaccag gactggctga acggcaagga gtacaagtgc	960
aaggtctcca acaaaggcct cccgtcctcc atcgagaaaa ccatctccaa agccaaaggg	1020
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caggtcagcc tgacctgcct ggtcaaaggc ttctacccca gcgacatcgc cgtggagtgg	1140
gagagcaatg ggcagccgga gaacaactac aagaccacgc ctcccgtgct ggactccgac	1200
ggctccttct tcctctacag caggctaacc gtggacaaga gcaggtggca ggaggggaat	1260
gtcttctcat gtcctgtgat gcatgaggct ctgcacaacc actacacaca gaagagcctc	1320
tccctgtctc tgggtaaa	1338

<210> 682
 <211> 654
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 682	
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atcacctgcc gtgcctctga gtctgtggac ttcgacgggt tctctttcct ggcttggtat	120
caacagaaac caggaaaagc tccgaagctt ctgatctacg acgcctctaa cctggaaacc	180
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agtctgcagc cggaagactt cgcaacttat tactgccagc agtacgatac tttgcctcgg	300
accttcggac agggtagcaa ggtggagatc aaacgaaccg tggccgctcc ctccgtcttc	360
atTTTTCCCC cttctgacga acagctgaag agtgggacag ccagcgtgggt ctgtctgtg	420
aacaatttct accctagaga ggcaaaaagt cagtggaaagg tcgataacgc cctgcagagc	480
ggcaattccc aggagtctgt gactgaacag gacagtaaag attcaaccta tagcctgtcc	540
tctacactga ctctgtccaa ggctgattac gaaaagcata aagtctatgc atgtgaggtc	600

acccatcagg ggctgtccag tccagtcaca aagtcattca atagggggga gtgt 654

<210> 683

<211> 1347

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 683

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tcctgtgcag cttccggata caccttctcc aactactgga ttacttgggt gcgtcaggcc 120

ccgggtaagg gcctcgagtg ggtgtcttac atctctggtg acggtgatac tacctactac 180

gccgactctg tcaagggccg ttctactata agtcgcgaca attcgaaaaa cacactgtac 240

ctacaactga acagcttaag agctgaggac actgccgtct attattgcgc gcgtgagggt 300

tctaccaccg tggccggcga ctggttcgcc tactggggtc aaggaacact agtcaccgtc 360

tcctcggctt ccaccaaggg cccatcggtc ttccccctgg cgccctgctc caggagcacc 420

tccgagagca cagccgccct gggctgcctg gtcaaggact acttccccga accggtgacg 480

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gagtccaaat atggtcccc atgcccacca tgcccagcac ctgagttcct gggggggacca 720

tcagtcttcc tgttcccccc aaaacccaag gacactctca tgatctcccg gacccctgag 780

gtcacgtgcg tgggtggtgga cgtgagccag gaagaccccg aggtccagtt caactggtac 840

gtggatggcg tggagggtgca taatgccaag acaaagccgc gggaggagca gttcaacagc 900

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gaggggaatg tcttctcatg ctccgtgatg catgaggctc tgcacaacca ctacacacag	1320
aagagcctct ccctgtctct gggtaaa	1347

<210> 684
 <211> 639
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 684	
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atcacctgcc gtgcctctca gggatttggc tctttcctgg gttggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaaatctgg tgtgccatct	180
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gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct	420
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tctgtgactg aacaggacag taaagattca acctatagcc tgtcctctac actgactctg	540
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tccagtccag tcacaaaagtc attcaatagg ggggagtgt	639

<210> 685
 <211> 1350
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 685

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caggccccgg gtaagggcct cgagtggatc ggtgaaatct accactctgg ttctacctac	180
tactctccat ctctgaagtc tcgtgtgact ataagtcgcg acaattcgaa aaacacactg	240
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tacgtggatg gcgtggaggt gcataatgcc aagacaaaagc cgcgggagga gcagttcaac	900
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gagtacaagt gcaaggctct caacaaaggc ctcccgtcct ccatcgagaa aacctctcc	1020
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atgaccaaga accaggtcag cctgacctgc ctggtcaaag gcttctaccc cagcgacatc	1140
gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac gcctcccgtg	1200
ctggactccg acggctcctt cttcctctac agcaggctaa ccgtggacaa gagcagggtg	1260
caggagggga atgtcttctc atgctccgtg atgcatgagg ctctgcacaa ccactacaca	1320
cagaagagcc tctccctgtc tctgggtaaa	1350

<210> 686

<211> 639

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 686
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atcacctgcc gtgcctctca gggatttagc tctgtcctgg cttgggtatca acagaaacca 120
ggaaaagctc cgaagcttct gatctacgac gcctcttctc tggaatctgg tgtgccatct 180
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gaagacttcg caacttatta ctgccagcag ggctactccc tctggacctt cggacagggt 300
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gacgaacagc tgaagagtgg gacagccagc gtggctctgtc tgctgaacaa tttctaccct 420
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tccagtccag tcacaaagtc attcaatagg ggggagtggt 639

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<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 687
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ggttctgacg ccgtgctcgg cgactggttc gcctactggg gtcaaggaac actagtcacc 360

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acgggtgtcgt ggaactcagg cgccctgacc agcggcgtgc acaccttccc ggctgtccta	540
cagtcctcag gactctactc cctcagcagc gtggtgaccg tgccctccag cagcttgggc	600
acgaagacct acacctgcaa cgtagatcac aagcccagca acaccaaggt ggacaagaga	660
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ccatcagtct tcctgttccc cccaaaaccc aaggacactc tcatgatctc ccggaccct	780
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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 688

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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180

cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactcaa cctggacctt cggacagggt	300
accaaggtgg agatcaaacg aaccgtggcc gctccctccg tcttcatttt tcccccttct	360
gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct	420
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tctgtgactg aacaggacag taaagattca acctatagcc tgtcctctac actgactctg	540
tccaaggctg attacgaaaa gcataaagtc tatgcatgtg aggtcaccca tcaggggctg	600
tccagtccag tcacaaagtc attcaatagg ggggagtgt	639

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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 689	
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tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
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gagggttctg acaccgtgct cggcgactgg ttcgcctact ggggtcaagg aacactagtc	360
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acacagaaga gcctctccct gtctctgggt aaa	1353

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<211> 639

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 690

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atcacctgcc gtgcctctca ggatattcgc tcttacctgg cttggtatca acagaaacca	120
ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
cgcttctctg gatccggttc cgggacggat ttcactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactcca tctggacctt cggacagggt	300
accaagggtg agatcaaacg aaccgtggcc gtcctcctcg tcttcatttt tcccccttct	360
gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct	420
agagaggcaa aagtgcagtg gaaggctgat aacgccctgc agagcggcaa ttcccaggag	480
tctgtgactg aacaggacag taaagattca acctatagcc tgtcctctac actgactctg	540

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tccagtccag tcacaaagtc attcaatagg ggggagtg	639

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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

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gccccgggta agggcctcga gtgggtgtct gttatctctg gttccggttc ttctacctac	180
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tacctacaac tgaacagctt aagagctgag gacactgccg tctattattg cgcgctgag	300
ggttctgaca ccgtgctcgg cgactggttc gcctactggg gtcaaggaac actagtcacc	360
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ccatcagtct tcctgttccc cccaaaaccc aaggacactc tcatgatctc ccggacccct	780
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cagaagagcc tctccctgtc tctgggtaaa	1350

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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 692	
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ggaaaagctc cgaagcttct gatctacgac gcctctaacc tggaaaccgg tgtgccatct	180
cgcttctctg gatccggttc cgggacggat ttactctga ccatcagcag tctgcagccg	240
gaagacttcg caacttatta ctgccagcag ggctactcca cctggacctt cggacagggt	300
accaagggtg agatcaaacg aaccgtggcc gtcctcctcg tcttcatttt tcccccttct	360
gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct	420
agagaggcaa aagtgcagtg gaaggtcgat aacgccctgc agagcggcaa ttcccaggag	480
tctgtgactg aacaggacag taaagattca acctatagcc tgtcctctac actgactctg	540
tccaaggctg attacgaaaa gcataaagtc tatgcatgtg aggtcaccca tcaggggctg	600
tccagtccag tcacaaagtc attcaatagg ggggagtgt	639

<210> 693
 <211> 1353
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 693

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caggccccgg gtaagggcct cgagtgggtg tcttccatct ctggttacgg ttctactacc	180
tactacgccg actctgtcaa gggccgtttc actataagtc gcgacaattc gaaaaacaca	240
ctgtacctac aactgaacag cttaagagct gaggacactg ccgtctatta ttgcgcgcgt	300
gagggttctg acgccgtgct cggcgactgg ttcggtact ggggtcaagg aacactagtc	360
accgtctcct cggcttccac caaggggcca tcggtcttcc ccctggcgcc ctgctccagg	420
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gagatgacca agaaccagggt cagcctgacc tgcctgggtca aaggcttcta cccagcgac	1140
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acacagaaga gcctctccct gtctctgggt aaa	1353

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<211> 639
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 694
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gaagacttcg caacttatta ctgccagcag ggctactacc tctggacctt cggacagggt 300
accaaggtgg agatcaaacg aaccgtggcc gtcctcccg tcttcatttt tcccccttct 360
gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct 420
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tccagtccag tcacaaagtc attcaatagg ggggagtgt 639

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<211> 1350
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 695
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caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggccgg tgacaagtcc 180
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gtctcctcgg cttccaccaaa gggcccatcg gtcttcccc tggcgccctg ctccaggagc	420
acctccgaga gcacagccgc cctgggctgc ctgggtcaagg actacttccc cgaaccggtg	480
acgggtgtcgt ggaactcagg cgccctgacc agcggcgtgc acaccttccc ggctgtccta	540
cagtcctcag gactctactc cctcagcagc gtgggtgaccg tgccctccag cagcttgggc	600
acgaagacct acacctgcaa cgtagatcac aagcccagca acaccaaggt ggacaagaga	660
gttgagtcca aatatgggtcc cccatgcccc ccatgcccag cacctgagtt cctgggggga	720
ccatcagtct tcctgttccc cccaaaaccc aaggacactc tcatgatctc ccggaccct	780
gaggtcacgt gcgtgggtgg ggacgtgagc caggaagacc ccgaggtcca gttcaactgg	840
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atgaccaaga accagggtcag cctgacctgc ctgggtcaaag gcttctaccc cagcgacatc	1140
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caggaggggga atgtcttctc atgctccgtg atgcatgagg ctctgcacaa ccactacaca	1320
cagaagagcc tctccctgtc tctgggtaaa	1350

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<211> 639

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 696

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ggaaaagctc cgaagcttct gatctacgac gcctctaacc gtgccaccgg tatcccatct	180
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gaagacttcg caacttatta ctgccagcag ggctactcca cctggacctt cggacagggt	300
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 697	
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gccccgggta agggcctcga gtgggtgtct tccatctctg gtgacggttc ttctacctac	180
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acgggtgtcgt ggaactcagg cgccctgacc agcggcgtgc acaccttccc ggctgtccta	540
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gagtacaagt gcaaggctct caacaaaggc ctcccgtcct ccatcgagaa aaccatctcc	1020
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ctggactccg acggctcctt cttcctctac agcaggctaa ccgtggacaa gagcagggtg	1260
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<220>
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accaagggtg agatcaaacg aaccgtggcc gtcctcctccg tcttcatttt tcccccttct	360
gacgaacagc tgaagagtgg gacagccagc gtggtctgtc tgctgaacaa tttctaccct	420
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tccagtcag tcacaaagtc attcaatagg ggggagtgt	639

<210> 699
 <211> 1350
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 699	
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caggccccgg gtaagggcct cgagtggctg gccctgatcg actgggacga tgacaagtac	180
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<220>
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<400> 700	
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gaagacttcg caacttatta ctgccagcag ggctactcca cctggacctt cggacagggt	300
accaagggtg agatcaaacg aaccgtggcc gtcctcctcg tcttcatttt tcccccttct	360
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tccagtccag tcacaaagtc attcaatagg ggggagtgt	639

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 <213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 701

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<220>
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<400> 702
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<210> 703
<211> 1341
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic sequence

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<220>
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<220>
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<400> 705	
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<220>
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 <211> 13

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 709

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<210> 710
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 710

Phe	Ser	Leu	Ser	Thr	Ser	Gly	Val	Ala	Val	Gly	Trp	Ile
1				5					10			

<210> 711
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 711

Phe	Ser	Leu	Ser	Thr	Ser	Gly	Val	Gly	Val	Gly	Trp	Ile
1				5					10			

<210> 712
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 712

Tyr Ser Ile Thr Ser Gly His Tyr Trp Ala Trp Ile
1 5 10

<210> 713
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 713

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 714
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 714

Phe Ser Leu Ser Thr Ser Gly Val Ala Val Ala Trp Ile
1 5 10

<210> 715
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 715

Tyr Ser Ile Ser Ser Gly Tyr His Trp Ala Trp Ile
1 5 10

<210> 716
<211> 13
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 716

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Ala	Val	Gly	Trp	Ile
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<210> 717

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 717

Phe	Ser	Leu	Ser	Thr	Gly	Gly	Val	Gly	Val	Ser	Trp	Ile
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<210> 718

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 718

Tyr	Ser	Ile	Ser	Ser	Gly	Tyr	Tyr	Trp	Asp	Trp	Ile
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<210> 719

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 719

Tyr	Ser	Ile	Ser	Ser	Gly	His	Tyr	Trp	Gly	Trp	Ile
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<210> 720
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 720

Tyr Thr Phe Ser Asn Tyr Trp Ile His Trp Val
1 5 10

<210> 721
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 721

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 722
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 722

Tyr Ser Ile Thr Ser Gly His Tyr Trp Asn Trp Ile
1 5 10

<210> 723
<211> 13
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 723

Phe Ser Leu Ser Thr Ser Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 724

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 724

Tyr Ser Ile Ser Ser Gly His His Trp Ala Trp Ile
1 5 10

<210> 725

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 725

Phe Ser Leu Ser Thr Gly Gly Val Gly Val Ala Trp Ile
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<210> 726

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 726

Phe Ser Leu Ser Thr Gly Gly Val Ala Val Gly Trp Ile
1 5 10

<210> 727
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 727

Tyr Ser Ile Ser Ser Gly Tyr His Trp Ala Trp Ile
1 5 10

<210> 728
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 728

Phe Ser Leu Ser Thr Ser Gly Val Ala Val Gly Trp Ile
1 5 10

<210> 729
<211> 13
<212> PRT
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<220>
<223> Synthetic sequence

<400> 729

Phe Ser Leu Ser Thr Gly Gly Val Ala Val Gly Trp Ile
1 5 10

<210> 730
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 730

Phe Thr Phe Ser Ser Tyr Trp Ile His Trp Val
1 5 10

<210> 731

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 731

Phe Ser Leu Ser Thr Gly Gly Val Gly Val Gly Trp Ile
1 5 10

<210> 732

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 732

Tyr Ser Ile Thr Ser Gly Tyr His Trp Ser Trp Ile
1 5 10

<210> 733

<211> 21

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<220>

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<400> 733

Ile Gly Ile Ile Asn Pro Asn Phe Gly Asp Thr Asn Tyr Ala Gln Lys
1 5 10 15

Phe Gln Gly Arg Val
20

<210> 734
<211> 20
<212> PRT
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<220>
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<400> 734

Leu Ala Leu Ile Asp Trp Ala Asp Asp Lys Tyr Tyr Ser Pro Ser Leu
1 5 10 15

Lys Ser Arg Leu
20

<210> 735
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<400> 735

Leu Ala Leu Ile Asp Trp Asp Asp Asp Lys Tyr Tyr Ser Pro Ser Leu
1 5 10 15

Lys Ser Arg Leu
20

<210> 736
<211> 21
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<400> 736

Val Ser Ser Ile Ser Gly Tyr Gly Ser Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 737
<211> 20
<212> PRT
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<220>
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<400> 737

Leu Ala Leu Ile Asp Trp Ala Asp Asp Lys Tyr Tyr Ser Pro Ser Leu
1 5 10 15

Lys Ser Arg Leu
20

<210> 738
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<220>
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<400> 738

Leu Ala Leu Ile Asp Trp Asp Asp Asp Lys Arg Tyr Ser Thr Ser Leu
1 5 10 15

Lys Ser Arg Leu
20

<210> 739
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<220>
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<400> 739

Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Tyr Tyr Ser Pro Ser Leu
1 5 10 15

Lys Ser Arg Val
20

<210> 740

<211> 20

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<220>

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<400> 740

Leu Ala Leu Ile Asp Trp Asp Gly Asp Lys Ser Tyr Ser Thr Ser Leu
1 5 10 15

Lys Ser Arg Leu
20

<210> 741

<211> 21

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<213> Artificial Sequence

<220>

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<400> 741

Val Ser Ser Ile Ser Gly Ser Gly Gly Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 742

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

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<400> 742

Val	Ser	Ser	Ile	Ser	Gly	Asp	Gly	Asp	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 743

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 743

Leu	Ala	Leu	Ile	Asp	Trp	Tyr	Gly	Asp	Lys	Tyr	Tyr	Ser	Thr	Ser	Leu
1				5					10					15	

Lys	Ser	Arg	Leu
			20

<210> 744

<211> 21

<212> PRT

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<220>

<223> Synthetic sequence

<400> 744

Val	Ser	Tyr	Ile	Ser	Gly	Asp	Gly	Asp	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser
1				5					10					15	

Val	Lys	Gly	Arg	Phe
				20

<210> 745
<211> 20
<212> PRT
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<220>
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<400> 745

Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Tyr Tyr Ser Pro Ser Leu
1 5 10 15

Lys Ser Arg Val
20

<210> 746
<211> 21
<212> PRT
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<220>
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<400> 746

Val Ser Gly Ile Ser Gly Asp Gly Ser Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 747
<211> 21
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<213> Artificial Sequence

<220>
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<400> 747

Val Ser Gly Ile Ser Gly Ala Gly Asp Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 748
<211> 21
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<220>
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<400> 748

Val Ser Val Ile Ser Gly Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 749
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<220>
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<400> 749

Val Ser Ser Ile Ser Gly Tyr Gly Ser Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 750
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<220>
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<400> 750

Leu Ala Leu Ile Asp Trp Ala Gly Asp Lys Ser Tyr Ser Thr Ser Leu
1 5 10 15

Lys Ser Arg Leu
20

<210> 751
<211> 21
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<220>
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<400> 751

Val Ser Ser Ile Ser Gly Asp Gly Ser Ser Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 752
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 752

Leu Ala Leu Ile Asp Trp Asp Asp Asp Lys Tyr Tyr Ser Thr Ser Leu
1 5 10 15

Lys Ser Arg Leu
20

<210> 753
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

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<400> 753

Leu Ala Leu Ile Asp Trp Ala Gly Asp Lys Ser Tyr Ser Thr Ser Leu
1 5 10 15

Lys Ser Arg Leu
20

<210> 754

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 754

Val Ser Val Ile Ser Gly Asp Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 755

<211> 20

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<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 755

Leu Ala Leu Ile Asp Trp Ala Asp Asp Lys Tyr Tyr Ser Pro Ser Leu
1 5 10 15

Lys Ser Arg Leu
20

<210> 756

<211> 21

<212> PRT
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<220>
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<400> 756

Val Ser Ser Ile Ser Gly Tyr Gly Asp Thr Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys Gly Arg Phe
20

<210> 757
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<220>
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<400> 757

Ala Arg Asp Glu Tyr Tyr Gly Gly Ser Tyr Tyr Phe Asp Tyr
1 5 10

<210> 758
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 758

Ala Arg Glu Gly Ser Asp Ala Val Leu Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 759
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 759

Ala	Arg	Gly	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 760

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 760

Ala	Arg	Gly	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 761

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 761

Ala	Arg	Gly	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 762

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 762

Ala	Arg	Glu	Gly	Ser	Thr	Thr	Val	Val	Gly	Asp	Trp	Phe	Asp	Tyr
1				5					10					15

<210> 763
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 763

Ala Arg Ser Pro Tyr Tyr Tyr Gly Val Phe Asp Tyr
1 5 10

<210> 764
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 764

Ala Arg Glu Gly Ser Thr Ala Val Val Gly Asp Trp Phe Asp Tyr
1 5 10 15

<210> 765
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 765

Ala Arg Asp Asp Leu Tyr Ser Trp Tyr Phe Asp Val
1 5 10

<210> 766
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 766

Ala Arg Glu Tyr Tyr Gly Tyr Gly Tyr Ala Leu Asp Tyr
1 5 10

<210> 767

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 767

Ala Arg Ser Asp Tyr Tyr Gly Ser His Phe Asp Tyr
1 5 10

<210> 768

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 768

Ala Arg Glu Gly Ser Thr Thr Val Ala Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 769

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 769

Ala Arg Glu Gly Ser Asp Val Val Thr Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 770

<211> 15

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 770

Ala	Arg	Gly	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 771
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 771

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 772
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 772

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 773
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 773

Ala Arg Glu Gly Ser Asp Ala Val Leu Gly Asp Trp Phe Gly Tyr
1 5 10 15

<210> 774
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 774

Ala Arg Gly Gly Ser Asp Thr Val Leu Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 775
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 775

Ala Arg Glu Gly Ser Asp Ala Val Thr Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 776
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 776

Ala Arg Glu Gly Ser Thr Ala Val Ala Gly Asp Trp Phe Ala Tyr
1 5 10 15

<210> 777
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 777

Ala	Arg	Glu	Gly	Glu	Asp	Ala	Val	Thr	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 778

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 778

Ala	Arg	Ser	Arg	Gly	Leu	Val	Leu	Asp	Ala	Phe	Asp	Tyr
1				5					10			

<210> 779

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 779

Ala	Arg	Gly	Gly	Ser	Asp	Thr	Val	Ile	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 780

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

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<400> 780

Ala	Arg	Glu	Gly	Ser	Asp	Thr	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10					15

<210> 781
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 781

Arg Ala Ser Gln Asp Val Arg Thr Ala Val Ala
1 5 10

<210> 782
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 782

Arg Ala Ser Gln Asp Ile Ser Thr Phe Leu Ala
1 5 10

<210> 783
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 783

Arg Ala Ser Gln Ser Val Ser Pro Tyr Leu Ala
1 5 10

<210> 784
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 784

Arg Ala Ser Gln Gly Ile Gly Ser Phe Leu Ala
1 5 10

<210> 785

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 785

Arg Ala Ser Gln Gly Ile Gly Ser Tyr Leu Ala
1 5 10

<210> 786

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 786

Arg Ala Ser Gln Gly Ile Gly Thr Tyr Leu Ala
1 5 10

<210> 787

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 787

Ser Ala Ser Ser Arg Val Gly Ser Val Tyr
1 5 10

<210> 788
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 788

Arg Ala Ser Gln Gly Ile Ser Arg Tyr Leu Ala
1 5 10

<210> 789
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 789

Arg Ala Ser Gln Gly Ile Gly Ser Ser Leu Ala
1 5 10

<210> 790
<211> 11
<212> PRT
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<220>
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<400> 790

Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala
1 5 10

<210> 791
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 791

Arg Ala Ser Glu Ser Val Asp Phe Asp Gly Phe Ser Phe Leu Ala
1 5 10 15

<210> 792

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 792

Arg Ala Ser Gln Gly Ile Gly Ser Phe Leu Gly
1 5 10

<210> 793

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 793

Arg Ala Ser Gln Gly Ile Ser Ser Val Leu Ala
1 5 10

<210> 794

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 794

Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu Ala
1 5 10

<210> 795

<211> 11

<212> PRT
<213> Artificial Sequence

<220>
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<400> 795

Arg	Ala	Ser	Gln	Asp	Ile	Arg	Ser	Tyr	Leu	Ala
1				5					10	

<210> 796
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 796

Arg	Ala	Ser	Gln	Gly	Ile	Ser	Ser	Tyr	Leu	Ala
1				5					10	

<210> 797
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 797

Gln	Ala	Ser	Gln	Asp	Ile	Thr	Thr	Tyr	Leu	Ala
1				5					10	

<210> 798
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 798

Arg Ala Ser Gln Gly Val Ser Pro Tyr Leu Ala
1 5 10

<210> 799
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 799

Arg Ala Ser Gln Gly Val Gly Thr Tyr Leu Ala
1 5 10

<210> 800
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 800

Gln Ala Ser Gln Asp Ile Arg Thr Phe Leu Ala
1 5 10

<210> 801
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<400> 801

Gln Ala Ser Gln Asp Ile Arg Thr Tyr Leu Ala
1 5 10

<210> 802
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 802

Arg	Ala	Ser	Gln	Ser	Val	Ser	Gly	Arg	Phe	Leu	Ala
1				5					10		

<210> 803

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 803

Arg	Ala	Ser	Gln	Ser	Ile	Gly	Ser	Tyr	Leu	Ala
1				5					10	

<210> 804

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

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<400> 804

Gln	Ala	Ser	Gln	Asp	Ile	Arg	Thr	Tyr	Leu	Ala
1				5					10	

<210> 805

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 805

Asp	Ala	Ser	Asn	Leu	Glu	Thr	Gly	Val
1				5				

<210> 806
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 806

Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

<210> 807
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 807

Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

<210> 808
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 808

Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

<210> 809
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 809

Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

<210> 810

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 810

Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

<210> 811

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

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<400> 811

Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

<210> 812

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 812

Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

<210> 813
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 813

Ala Ala Ser Ser Leu Gln Ser Gly Val
1 5

<210> 814
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 814

Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

<210> 815
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 815

Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

<210> 816
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 816

Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

<210> 817

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 817

Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

<210> 818

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 818

Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

<210> 819

<211> 9

<212> PRT

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<220>

<223> Synthetic sequence

<400> 819

Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

<210> 820

<211> 9

<212> PRT
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<220>
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<400> 820

Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

<210> 821
<211> 9
<212> PRT
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<220>
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<400> 821

Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

<210> 822
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 822

Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

<210> 823
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 823

Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

<210> 824
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 824

Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

<210> 825
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 825

Asp Ala Ser Asn Arg Ala Thr Gly Ile
1 5

<210> 826
<211> 9
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<220>
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<400> 826

Asp Ala Ser Ser Leu Glu Ser Gly Val
1 5

<210> 827
<211> 9
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<220>

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<400> 827

Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

<210> 828

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 828

Asp Ala Ser Asn Leu Glu Thr Gly Val
1 5

<210> 829

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 829

Tyr Cys Gln Gln Ser Tyr Asp Trp Pro Pro Thr
1 5 10

<210> 830

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 830

Tyr Cys Gln Gln Ala Tyr Ser Ile Trp Thr
1 5 10

<210> 831
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 831

Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
1 5 10

<210> 832
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 832

Tyr Cys Gln Gln Gly Tyr Tyr Leu Trp Thr
1 5 10

<210> 833
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 833

Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
1 5 10

<210> 834
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 834

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Leu	Trp	Thr
1				5					10

<210> 835

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 835

Tyr	Cys	Gln	Gln	Tyr	Thr	His	Asp	Pro	Val	Thr
1				5					10	

<210> 836

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 836

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Leu	Trp	Thr
1				5					10

<210> 837

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 837

Tyr	Cys	Gln	Gln	Gly	Tyr	Tyr	Thr	Trp	Thr
1				5					10

<210> 838
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<220>
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<400> 838

Tyr	Cys	Gln	Gln	Tyr	Tyr	Ser	Thr	Pro	Leu	Thr
1				5					10	

<210> 839
<211> 11
<212> PRT
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<220>
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<400> 839

Tyr	Cys	Gln	Gln	Tyr	Asp	Thr	Leu	Pro	Arg	Thr
1				5					10	

<210> 840
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 840

Tyr	Cys	Gln	Gln	Tyr	Tyr	Ser	Leu	Val	Thr
1				5					10

<210> 841
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<212> PRT
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<220>
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<400> 841

Tyr Cys Gln Gln Gly Tyr Ser Leu Trp Thr
1 5 10

<210> 842

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 842

Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
1 5 10

<210> 843

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 843

Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
1 5 10

<210> 844

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 844

Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
1 5 10

<210> 845

<211> 10

<212> PRT
<213> Artificial Sequence

<220>
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<400> 845

Tyr	Cys	Gln	Gln	Gly	Tyr	Tyr	Leu	Trp	Thr
1				5					10

<210> 846
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<400> 846

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Thr	Trp	Thr
1				5					10

<210> 847
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<220>
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<400> 847

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Leu	Trp	Thr
1				5					10

<210> 848
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 848

Tyr Cys Gln Gln Gly Tyr Ser Thr Trp Thr
1 5 10

<210> 849
<211> 10
<212> PRT
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<220>
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<400> 849

Tyr Cys Gln Gln Gly Tyr Ser Ile Trp Thr
1 5 10

<210> 850
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 850

Tyr Cys Gln Gln Tyr Asp Tyr Trp Pro Pro Tyr Thr
1 5 10

<210> 851
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<400> 851

Tyr Cys Gln Gln Gly Tyr Tyr Leu Trp Thr
1 5 10

<210> 852
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<212> PRT
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<220>

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<400> 852

Tyr	Cys	Gln	Gln	Gly	Tyr	Ser	Ile	Trp	Thr
1				5					10

<210> 853

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<220>

<221> VARIANT

<222> 1

<223> Xaa = F or Y

<220>

<221> VARIANT

<222> 5

<223> Xaa = G, N, or S

<400> 853

Xaa	Thr	Phe	Ser	Xaa	Tyr	Trp	Ile	His	Trp	Val
1				5						10

<210> 854

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<220>

<221> VARIANT

<222> 4

<223> Xaa = S or T

<220>

<221> VARIANT

<222> 7

<223> Xaa = H or Y

<220>
<221> VARIANT
<222> 8
<223> Xaa = H or Y

<220>
<221> VARIANT
<222> 10
<223> Xaa = A, D, G, N, or S

<400> 854
Tyr Ser Ile Xaa Ser Gly Xaa Xaa Trp Xaa Trp Ile
1 5 10

<210> 855
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic sequence

<220>
<221> VARIANT
<222> 6
<223> Xaa = G or S

<220>
<221> VARIANT
<222> 9
<223> Xaa = A or G

<220>
<221> VARIANT
<222> 11
<223> Xaa = A, G, or S

<400> 855
Phe Ser Leu Ser Thr Xaa Gly Val Xaa Val Xaa Trp Ile
1 5 10

<210> 856
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic sequence

<220>

<221> VARIANT

<222> 3

<223> Xaa = G, S, V, or Y

<220>

<221> VARIANT

<222> 7

<223> Xaa = A, D, S, or Y

<220>

<221> VARIANT

<222> 9

<223> Xaa = D, G, or S

<220>

<221> VARIANT

<222> 10

<223> Xaa = S or T

<400> 856

Val Ser Xaa Ile Ser Gly Xaa Gly Xaa Xaa Thr Tyr Tyr Ala Asp Ser

1

5

10

15

Val Lys Gly Arg Phe

20

<210> 857

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<220>

<221> VARIANT

<222> 1

<223> Xaa = Q or R

<220>

<221> VARIANT

<222> 5

<223> Xaa = D, G, or S

<220>

<221> VARIANT

<222> 6

<223> Xaa = I or V

<220>

<221> VARIANT

<222> 7

<223> Xaa = G, R, S, or T

<220>

<221> VARIANT

<222> 8

<223> Xaa = P, R, S, or T

<220>

<221> VARIANT

<222> 9

<223> Xaa = A, F, S, V, or Y

<220>

<221> VARIANT

<222> 10

<223> Xaa = L or V

<220>

<221> VARIANT

<222> 11

<223> Xaa = A or G

<400> 857

Xaa	Ala	Ser	Gln	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
1				5						10

<210> 858

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<220>

<221> VARIANT

<222> 1

<223> Xaa = A or D

<220>

<221> VARIANT

<222> 4

<223> Xaa = N or S

<220>
<221> VARIANT
<222> 5
<223> Xaa = L or R

<220>
<221> VARIANT
<222> 6
<223> Xaa = A, E, or Q

<220>
<221> VARIANT
<222> 7
<223> Xaa = S or T

<220>
<221> VARIANT
<222> 9
<223> Xaa = I or V

<400> 858
Xaa Ala Ser Xaa Xaa Xaa Xaa Gly Xaa
1 5

<210> 859
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> 5
<223> Xaa = A or G

<220>
<221> VARIANT
<222> 7
<223> Xaa = S or Y

<220>
<221> VARIANT
<222> 8
<223> Xaa = I, L, or T

<400> 859
Tyr Cys Gln Gln Xaa Tyr Xaa Xaa Trp Thr

1

5

10

<210> 860

<211> 156

<212> PRT

<213> *Macaca fascicularis*

<400> 860

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Leu Gln Asp Leu Cys Ser Asn Cys Pro Ala Gly Thr Phe Cys Asp Asn
 1           5           10           15
Asn Arg Ser Gln Ile Cys Ser Pro Cys Pro Pro Asn Ser Phe Ser Ser
          20           25           30
Ala Gly Gly Gln Arg Thr Cys Asp Ile Cys Arg Gln Cys Lys Gly Val
          35           40           45
Phe Lys Thr Arg Lys Glu Cys Ser Ser Thr Ser Asn Ala Glu Cys Asp
          50           55           60
Cys Ile Ser Gly Tyr His Cys Leu Gly Ala Glu Cys Ser Met Cys Glu
65           70           75           80
Gln Asp Cys Lys Gln Gly Gln Glu Leu Thr Lys Lys Gly Cys Lys Asp
          85           90           95
Cys Cys Phe Gly Thr Phe Asn Asp Gln Lys Arg Gly Ile Cys Arg Pro
          100          105          110
Trp Thr Asn Cys Ser Leu Asp Gly Lys Ser Val Leu Val Asn Gly Thr
          115          120          125
Lys Glu Arg Asp Val Val Cys Gly Pro Ser Pro Ala Asp Leu Ser Pro
          130          135          140
Gly Ala Ser Ser Ala Thr Pro Pro Ala Pro Ala Arg
145           150           155

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<210> 861

<211> 178

<212> PRT

<213> *Mus musculus*

<400> 861

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Met Gly Asn Asn Cys Tyr Asn Val Val Val Ile Val Leu Leu Leu Val
 1           5           10           15
Gly Cys Glu Lys Val Gly Ala Val Gln Asn Ser Cys Asp Asn Cys Gln
          20           25           30
Pro Gly Thr Phe Cys Arg Lys Tyr Asn Pro Val Cys Lys Ser Cys Pro
          35           40           45
Pro Ser Thr Phe Ser Ser Ile Gly Gly Gln Pro Asn Cys Asn Ile Cys
          50           55           60
Arg Val Cys Ala Gly Tyr Phe Arg Phe Lys Lys Phe Cys Ser Ser Thr
65           70           75           80
His Asn Ala Glu Cys Glu Cys Ile Glu Gly Phe His Cys Leu Gly Pro
          85           90           95
Gln Cys Thr Arg Cys Glu Lys Asp Cys Arg Pro Gly Gln Glu Leu Thr

```

			100					105					110				
Lys	Gln	Gly	Cys	Lys	Thr	Cys	Ser	Leu	Gly	Thr	Phe	Asn	Asp	Gln	Asn		
		115					120					125					
Gly	Thr	Gly	Val	Cys	Arg	Pro	Trp	Thr	Asn	Cys	Ser	Leu	Asp	Gly	Arg		
	130					135					140						
Ser	Val	Leu	Lys	Thr	Gly	Thr	Thr	Glu	Lys	Asp	Val	Val	Cys	Gly	Pro		
145					150					155					160		
Pro	Val	Val	Ser	Phe	Ser	Pro	Ser	Thr	Thr	Ile	Ser	Val	Thr	Pro	Glu		
				165				170						175			
Gly	Gly																

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 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 862																	
Glu	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Glu		
1				5					10					15			
Ser	Leu	Arg	Ile	Ser	Cys	Lys	Gly	Ser	Gly	Tyr	Ser	Phe	Ser	Thr	Tyr		
		20					25					30					
Trp	Ile	Ser	Trp	Val	Arg	Gln	Met	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Met		
	35					40						45					
Gly	Lys	Ile	Tyr	Pro	Gly	Asp	Ser	Tyr	Thr	Asn	Tyr	Ser	Pro	Ser	Phe		
	50				55					60							
Gln	Gly	Gln	Val	Thr	Ile	Ser	Ala	Asp	Lys	Ser	Ile	Ser	Thr	Ala	Tyr		
65				70					75						80		
Leu	Gln	Trp	Ser	Ser	Leu	Lys	Ala	Ser	Asp	Thr	Ala	Met	Tyr	Tyr	Cys		
				85				90					95				
Ala	Arg	Gly	Tyr	Gly	Ile	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val		
		100					105						110				
Thr	Val	Ser	Ser														
		115															

<210> 863
 <211> 108
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 863																	
Ser	Tyr	Glu	Leu	Thr	Gln	Pro	Pro	Ser	Val	Ser	Val	Ser	Pro	Gly	Gln		
1				5				10						15			

Thr	Ala	Ser	Ile	Thr	Cys	Ser	Gly	Asp	Asn	Ile	Gly	Asp	Gln	Tyr	Ala
			20					25					30		
His	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ser	Pro	Val	Leu	Val	Ile	Tyr
		35					40					45			
Gln	Asp	Lys	Asn	Arg	Pro	Ser	Gly	Ile	Pro	Glu	Arg	Phe	Ser	Gly	Ser
	50					55					60				
Asn	Ser	Gly	Asn	Thr	Ala	Thr	Leu	Thr	Ile	Ser	Gly	Thr	Gln	Ala	Met
65					70					75					80
Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Ala	Thr	Tyr	Thr	Gly	Phe	Gly	Ser	Leu
			85						90					95	
Ala	Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu				
			100					105							

<210> 864
 <211> 121
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

Gln	Val	Gln	Leu	Gln	Gln	Trp	Gly	Ala	Gly	Leu	Leu	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Tyr	Gly	Gly	Ser	Phe	Ser	Gly	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Ser	Pro	Glu	Lys	Gly	Leu	Glu	Trp	Ile
		35				40						45			
Gly	Glu	Ile	Asn	His	Gly	Gly	Tyr	Val	Thr	Tyr	Asn	Pro	Ser	Leu	Glu
	50				55						60				
Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65					70					75					80
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
			85					90						95	
Arg	Asp	Tyr	Gly	Pro	Gly	Asn	Tyr	Asp	Trp	Tyr	Phe	Asp	Leu	Trp	Gly
		100					105						110		
Arg	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser							
		115					120								

<210> 865
 <211> 109
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 865

Glu	Ile	Val	Leu	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Leu	Ser	Pro	Gly
1				5					10					15	
Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser	Gln	Ser	Val	Ser	Ser	Tyr
			20					25					30		
Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Ile
		35					40					45			
Tyr	Asp	Ala	Ser	Asn	Arg	Ala	Thr	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly
	50					55					60				
Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Glu	Pro
65					70					75				80	
Glu	Asp	Phe	Ala	Val	Tyr	Tyr	Cys	Gln	Gln	Arg	Ser	Asn	Trp	Pro	Pro
			85						90					95	
Ala	Leu	Thr	Phe	Gly	Gly	Gly	Thr	Lys	Val	Glu	Ile	Lys			
			100					105							

<210> 866
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<400> 866
 Gly Phe Ser Leu Ser Thr Ser Gly Val Gly Val Gly
 1 5 10

<210> 867
 <211> 16
 <212> PRT
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<220>
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<400> 867
 Leu Ile Asp Trp Asp Asp Asp Lys Tyr Tyr Ser Pro Ser Leu Lys Ser
 1 5 10 15

<210> 868
 <211> 13
 <212> PRT
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<220>
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<400> 868

Gly Gly Ser Asp Thr Val Leu Gly Asp Trp Phe Ala Tyr
1 5 10

<210> 869

<211> 11

<212> PRT

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<220>

<223> Synthetic sequence

<400> 869

Arg Ala Ser Gln Ser Val Ser Pro Tyr Leu Ala
1 5 10

<210> 870

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 870

Asp Ala Ser Ser Leu Glu Ser
1 5

<210> 871

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 871

Gln Gln Gly Tyr Ser Leu Trp Thr
1 5

<210> 872

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

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<400> 872

Gly	Tyr	Ser	Ile	Thr	Ser	Gly	His	Tyr	Trp	Ala
1				5					10	

<210> 873

<211> 17

<212> PRT

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<220>

<223> Synthetic sequence

<400> 873

Ser	Ile	Ser	Gly	Tyr	Gly	Ser	Thr	Thr	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 874

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

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<400> 874

Gly	Gly	Ser	Asp	Ala	Val	Leu	Gly	Asp	Trp	Phe	Ala	Tyr
1				5					10			

<210> 875

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

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<400> 875

Arg	Ala	Ser	Gln	Gly	Ile	Gly	Ser	Phe	Leu	Ala
1				5					10	

<210> 876

<211> 7

<212> PRT
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<220>
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<400> 876
Asp Ala Ser Asn Leu Glu Thr
1 5

<210> 877
<211> 8
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<213> Artificial Sequence

<220>
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<400> 877
Gln Gln Gly Tyr Tyr Leu Trp Thr
1 5

<210> 878
<211> 12
<212> PRT
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<220>
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<400> 878
Gly Phe Ser Leu Ser Thr Gly Gly Val Gly Val Gly
1 5 10

<210> 879
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
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<400> 879
Leu Ile Asp Trp Ala Asp Asp Lys Tyr Tyr Ser Pro Ser Leu Lys Ser
1 5 10 15

<210> 880
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 880
Gly Gly Ser Asp Thr Val Ile Gly Asp Trp Phe Ala Tyr
1 5 10

<210> 881
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 881
Arg Ala Ser Gln Ser Ile Gly Ser Tyr Leu Ala
1 5 10

<210> 882
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<400> 882
Asp Ala Ser Asn Leu Glu Thr
1 5

<210> 883
<211> 8
<212> PRT
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<220>
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<400> 883
Gln Gln Gly Tyr Tyr Leu Trp Thr
1 5