

2873273PC01SequenceListingST25
SEQUENCE LISTING

<110> Cephalon, Inc.
<120> Antibodies that Specifically Bind to Human IL-15 and Uses Thereof
<130> 2873.273PC01
<150> 62/437,143
<151> 2016-12-21
<160> 520
<170> PatentIn version 3.5
<210> 1
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<213> Homo sapiens

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<223> X is S, Y, W, or F

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<400> 1

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

Leu Lys Leu Xaa Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
85 90 95

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

Thr Leu Val Thr Val Ser Ser
115

<210> 2
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<223> X is N or S

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<223> X is S, L, or F

<400> 2

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

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Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Xaa Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 3
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<222> (92)..(92)
<223> X is S, L, or F

<400> 3

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Xaa Ser Gly Lys Asn
85 90 95

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Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys
100 105 110

Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln
115 120 125

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

Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys Ala Gly
145 150 155 160

Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala
165 170 175

Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser
180 185 190

Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val
195 200 205

Ala Pro Thr Glu Cys Ser
210

<210> 4
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<212> PRT
<213> Homo sapiens

<400> 4

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 5
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<213> Homo sapiens

<400> 5

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Leu Ser Gly Lys Asn
85 90 95

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Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 6
<211> 214
<212> PRT
<213> Homo sapiens

<400> 6

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Leu Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys
100 105 110

Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln
115 120 125

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

Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys Ala Gly
145 150 155 160

Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala

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165 170 175

Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser
180 185 190

Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val
195 200 205

Ala Pro Thr Glu Cys Ser
210

<210> 7
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<213> Homo sapiens

<400> 7

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

2873273PC01SequenceListingST25

<210> 8
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 <213> Homo sapiens

<400> 8

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
 65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
 85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 9
 <211> 214
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 <213> Homo sapiens

<400> 9

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys
100 105 110

Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln
115 120 125

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

Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys Ala Gly
145 150 155 160

Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala
165 170 175

Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser
180 185 190

Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val
195 200 205

Ala Pro Thr Glu Cys Ser
210

<210> 10
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2873273PC01SequenceListingST25

<400> 10

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser
20 25 30

<210> 11

<211> 14

<212> PRT

<213> Homo sapiens

<400> 11

Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly
1 5 10

<210> 12

<211> 32

<212> PRT

<213> Homo sapiens

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<222> (18)..(18)

<223> X is I or S

<400> 12

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

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

<210> 13

<211> 32

<212> PRT

<213> Homo sapiens

<400> 13

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

2873273PC01SequenceListingST25

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

<210> 14
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 14

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

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

<210> 15
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 15

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 1 5 10

<210> 16
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 16

Ser Ser Asn Trp Trp Ser
 1 5

<210> 17
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<223> X is S, Y, W, or F

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<223> X is N, Y, W, or F

<400> 17

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

<210> 18

<211> 16

<212> PRT

<213> Homo sapiens

<400> 18

Glu	Ile	Tyr	His	Tyr	Gly	Tyr	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys	Ser
1				5					10					15	

<210> 19

<211> 16

<212> PRT

<213> Homo sapiens

<400> 19

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys	Ser
1				5					10					15	

<210> 20

<211> 10

<212> PRT

<213> Homo sapiens

<400> 20

Glu	Gly	Ile	Gly	Trp	Pro	Ser	Phe	Asp	Tyr
1			5						10

<210> 21

<211> 22

<212> PRT

<213> Homo sapiens

<400> 21

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

Thr Val Arg Ile Thr Cys
20

<210> 22
<211> 15
<212> PRT
<213> Homo sapiens

<400> 22

Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Ile Leu Val Ile Tyr
1 5 10 15

<210> 23
<211> 32
<212> PRT
<213> Homo sapiens

<400> 23

Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser
1 5 10 15

Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
20 25 30

<210> 24
<211> 10
<212> PRT
<213> Homo sapiens

<400> 24

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
1 5 10

<210> 25
<211> 11
<212> PRT
<213> Homo sapiens

2873273PC01SequenceListingST25

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<222> (7)..(7)

<223> X is N or S

<400> 25

Gln	Gly	Asp	Thr	Leu	Arg	Xaa	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 26

<211> 11

<212> PRT

<213> Homo sapiens

<400> 26

Gln	Gly	Asp	Thr	Leu	Arg	Ser	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 27

<211> 11

<212> PRT

<213> Homo sapiens

<400> 27

Gln	Gly	Asp	Thr	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 28

<211> 7

<212> PRT

<213> Homo sapiens

<400> 28

Gly	Lys	Asn	Asn	Arg	Pro	Ser
1			5			

<210> 29

<211> 11

<212> PRT

<213> Homo sapiens

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<222> (5)..(5)

<223> X is S, L, or F

<400> 29

Asn	Ser	Arg	Asp	Xaa	Ser	Gly	Lys	Asn	Leu	Val
1				5					10	

<210> 30

<211> 11

<212> PRT

<213> Homo sapiens

<400> 30

Asn	Ser	Arg	Asp	Leu	Ser	Gly	Lys	Asn	Leu	Val
1				5					10	

<210> 31

<211> 11

<212> PRT

<213> Homo sapiens

<400> 31

Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	Leu	Val
1				5					10	

<210> 32

<211> 330

<212> PRT

<213> Homo sapiens

<400> 32

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

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

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

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

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Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

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Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 33
<211> 329
<212> PRT
<213> Homo sapiens

<400> 33

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

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

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

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

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Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

2873273PC01SequenceListingST25

Gln Lys Ser Leu Ser Leu Ser Pro Gly
325

<210> 34
<211> 330
<212> PRT
<213> Homo sapiens

<400> 34

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

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

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

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Tyr Ile Thr Arg Glu Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

2873273PC01SequenceListingST25

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 35

<211> 329

<212> PRT

<213> Homo sapiens

<400> 35

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys

2873273PC01SequenceListingST25

1	5	10	15
Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr	20	25	30
Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser	35	40	45
Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser	50	55	60
Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr	65	70	75
Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys	85	90	95
Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys	100	105	110
Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro	115	120	125
Lys Pro Lys Asp Thr Leu Tyr Ile Thr Arg Glu Pro Glu Val Thr Cys	130	135	140
Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp	145	150	155
Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu	165	170	175
Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu	180	185	190
His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn	195	200	205
Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly			

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210

215

220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly
325

<210> 36
<211> 330
<212> PRT
<213> Homo sapiens

<400> 36

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

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

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

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

2873273PC01SequenceListingST25

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

2873273PC01SequenceListingST25

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
 275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
 290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
 305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
 325 330

<210> 37
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 <212> PRT
 <213> Homo sapiens

<400> 37

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

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

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

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
 65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
 85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
 100 105 110

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Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

2873273PC01SequenceListingST25

Gln Lys Ser Leu Ser Leu Ser Pro Gly
325

<210> 38
<211> 330
<212> PRT
<213> Homo sapiens

<400> 38

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

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

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

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Ala Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

2873273PC01SequenceListingST25

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
225 230 235 240

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 39
<211> 329
<212> PRT
<213> Homo sapiens

<400> 39

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys

2873273PC01SequenceListingST25

1	5	10	15
Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr	20	25	30
Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser	35	40	45
Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser	50	55	60
Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr	65	70	75
Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys	85	90	95
Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys	100	105	110
Pro Ala Pro Glu Ala Ala Gly Ala Pro Ser Val Phe Leu Phe Pro Pro	115	120	125
Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys	130	135	140
Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp	145	150	155
Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu	165	170	175
Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu	180	185	190
His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn	195	200	205
Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly			

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210

215

220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
225 230 235 240

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly
325

<210> 40

<211> 326

<212> PRT

<213> Homo sapiens

<400> 40

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

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

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

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

2873273PC01SequenceListingST25

Leu Ser Ser Val Val Thr Val Pro Ser Ser Asn Phe Gly Thr Gln Thr
65 70 75 80

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

Thr Val Glu Arg Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro
100 105 110

Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
115 120 125

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
130 135 140

Val Ser His Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly
145 150 155 160

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn
165 170 175

Ser Thr Phe Arg Val Val Ser Val Leu Thr Val Val His Gln Asp Trp
180 185 190

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro
195 200 205

Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu
210 215 220

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn
225 230 235 240

Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
245 250 255

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
260 265 270

2873273PC01SequenceListingST25

Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
275 280 285

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
290 295 300

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
305 310 315 320

Ser Leu Ser Pro Gly Lys
325

<210> 41
<211> 325
<212> PRT
<213> Homo sapiens

<400> 41

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

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

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

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Asn Phe Gly Thr Gln Thr
65 70 75 80

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

Thr Val Glu Arg Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro
100 105 110

2873273PC01SequenceListingST25

Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
115 120 125

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
130 135 140

Val Ser His Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly
145 150 155 160

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn
165 170 175

Ser Thr Phe Arg Val Val Ser Val Leu Thr Val Val His Gln Asp Trp
180 185 190

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro
195 200 205

Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu
210 215 220

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn
225 230 235 240

Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
245 250 255

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
260 265 270

Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
275 280 285

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
290 295 300

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
305 310 315 320

2873273PC01SequenceListingST25

Ser Leu Ser Pro Gly
325

<210> 42
<211> 326
<212> PRT
<213> Homo sapiens

<400> 42

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

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

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

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Asn Phe Gly Thr Gln Thr
65 70 75 80

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

Thr Val Glu Arg Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro
100 105 110

Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
115 120 125

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
130 135 140

Val Ser His Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly
145 150 155 160

2873273PC01SequenceListingST25

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn
165 170 175

Ser Thr Phe Arg Val Val Ser Val Leu Thr Val Val His Gln Asp Trp
180 185 190

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro
195 200 205

Ser Ser Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu
210 215 220

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn
225 230 235 240

Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
245 250 255

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
260 265 270

Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
275 280 285

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
290 295 300

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
305 310 315 320

Ser Leu Ser Pro Gly Lys
325

<210> 43
<211> 325
<212> PRT
<213> Homo sapiens

<400> 43

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg

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1	5	10	15
Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr	20	25	30
Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser	35	40	45
Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser	50	55	60
Leu Ser Ser Val Val Thr Val Pro Ser Ser Asn Phe Gly Thr Gln Thr	65	70	75
Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys	85	90	95
Thr Val Glu Arg Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro	100	105	110
Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp	115	120	125
Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp	130	135	140
Val Ser His Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly	145	150	155
Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn	165	170	175
Ser Thr Phe Arg Val Val Ser Val Leu Thr Val Val His Gln Asp Trp	180	185	190
Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro	195	200	205
Ser Ser Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu			

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210

215

220

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn
225 230 235 240

Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
245 250 255

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
260 265 270

Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
275 280 285

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
290 295 300

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
305 310 315 320

Ser Leu Ser Pro Gly
325

<210> 44
<211> 327
<212> PRT
<213> Homo sapiens

<400> 44

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

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

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

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

2873273PC01SequenceListingST25

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr
65 70 75 80

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

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

Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
115 120 125

Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val
130 135 140

Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp
145 150 155 160

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe
165 170 175

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
180 185 190

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu
195 200 205

Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
210 215 220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
225 230 235 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
245 250 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
260 265 270

2873273PC01SequenceListingST25

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
275 280 285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser
290 295 300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
305 310 315 320

Leu Ser Leu Ser Leu Gly Lys
325

<210> 45
<211> 326
<212> PRT
<213> Homo sapiens

<400> 45

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

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

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

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr
65 70 75 80

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

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

2873273PC01SequenceListingST25

Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
 115 120 125

Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val
 130 135 140

Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp
 145 150 155 160

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe
 165 170 175

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
 180 185 190

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu
 195 200 205

Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
 210 215 220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
 225 230 235 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
 245 250 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
 260 265 270

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
 275 280 285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser
 290 295 300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
 305 310 315 320

2873273PC01SequenceListingST25

Leu Ser Leu Ser Leu Gly
325

<210> 46
<211> 327
<212> PRT
<213> Homo sapiens

<400> 46

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

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

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

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr
65 70 75 80

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

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

Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
115 120 125

Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val
130 135 140

Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp
145 150 155 160

2873273PC01SequenceListingST25

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe
165 170 175

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
180 185 190

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu
195 200 205

Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
210 215 220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
225 230 235 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
245 250 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
260 265 270

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
275 280 285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser
290 295 300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
305 310 315 320

Leu Ser Leu Ser Leu Gly Lys
325

<210> 47
<211> 326
<212> PRT
<213> Homo sapiens

<400> 47

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg

2873273PC01SequenceListingST25

1	5	10	15
Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr	20	25	30
Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser	35	40	45
Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser	50	55	60
Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr	65	70	75
Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys	85	90	95
Arg Val Glu Ser Lys Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro	100	105	110
Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys	115	120	125
Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val	130	135	140
Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp	145	150	155
Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe	165	170	175
Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp	180	185	190
Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu	195	200	205
Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg			

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210

215

220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
225 230 235 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
245 250 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
260 265 270

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
275 280 285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser
290 295 300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
305 310 315 320

Leu Ser Leu Ser Leu Gly
325

<210> 48

<211> 327

<212> PRT

<213> Homo sapiens

<400> 48

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

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

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

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

2873273PC01SequenceListingST25

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr
65 70 75 80

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

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

Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
115 120 125

Asp Thr Leu Tyr Ile Thr Arg Glu Pro Glu Val Thr Cys Val Val Val
130 135 140

Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp
145 150 155 160

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe
165 170 175

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
180 185 190

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu
195 200 205

Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
210 215 220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
225 230 235 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
245 250 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
260 265 270

2873273PC01SequenceListingST25

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
 275 280 285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser
 290 295 300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
 305 310 315 320

Leu Ser Leu Ser Leu Gly Lys
 325

<210> 49
 <211> 326
 <212> PRT
 <213> Homo sapiens

<400> 49

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

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

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

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr
 65 70 75 80

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

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

2873273PC01SequenceListingST25

Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
115 120 125

Asp Thr Leu Tyr Ile Thr Arg Glu Pro Glu Val Thr Cys Val Val Val
130 135 140

Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp
145 150 155 160

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe
165 170 175

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
180 185 190

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu
195 200 205

Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
210 215 220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
225 230 235 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
245 250 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
260 265 270

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
275 280 285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser
290 295 300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
305 310 315 320

2873273PC01SequenceListingST25

Leu Ser Leu Ser Leu Gly
325

<210> 50
<211> 327
<212> PRT
<213> Homo sapiens

<400> 50

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

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

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

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

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr
65 70 75 80

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

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

Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
115 120 125

Asp Thr Leu Tyr Ile Thr Arg Glu Pro Glu Val Thr Cys Val Val Val
130 135 140

Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp
145 150 155 160

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Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe
165 170 175

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
180 185 190

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu
195 200 205

Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
210 215 220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
225 230 235 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
245 250 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
260 265 270

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
275 280 285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser
290 295 300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
305 310 315 320

Leu Ser Leu Ser Leu Gly Lys
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Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg

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1	5	10	15
Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr	20	25	30
Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser	35	40	45
Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser	50	55	60
Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr	65	70	75
Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys	85	90	95
Arg Val Glu Ser Lys Tyr Gly Pro Pro Cys Pro Ser Cys Pro Ala Pro	100	105	110
Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys	115	120	125
Asp Thr Leu Tyr Ile Thr Arg Glu Pro Glu Val Thr Cys Val Val Val	130	135	140
Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp	145	150	155
Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe	165	170	175
Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp	180	185	190
Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu	195	200	205
Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg			

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210

215

220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
225 230 235 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
245 250 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
260 265 270

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
275 280 285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser
290 295 300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
305 310 315 320

Leu Ser Leu Ser Leu Gly
325

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Ala Ser Asn Trp Trp Ser
1 5

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Ser Ala Asn Trp Trp Ser
1 5

2873273PC01SequenceListingST25

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<400> 54

Ser Ser Ala Trp Trp Ser
 1 5

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<400> 55

Ser Ser Asn Ala Trp Ser
 1 5

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<400> 56

Ser Ser Asn Trp Ala Ser
 1 5

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<400> 57

Ser Ser Asn Trp Trp Ala
 1 5

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Gly Gly Ala Ile Ser Ser Ser Asn Trp Trp Ser
1 5 10

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Gly Gly Ser Ala Ser Ser Ser Asn Trp Trp Ser
1 5 10

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Gly Gly Ser Ile Ala Ser Ser Asn Trp Trp Ser
1 5 10

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Gly Gly Ser Ile Ser Ala Ser Asn Trp Trp Ser
1 5 10

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Gly Gly Ser Ile Ser Ser Ala Asn Trp Trp Ser
1 5 10

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<400> 64

Gly Gly Ser Ile Ser Ser Ser Ala Trp Trp Ser
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Gly Gly Ser Ile Ser Ser Ser Asn Trp Trp Ala
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Asp Gly Ser Ile Ser Ser Ser Asn Trp Trp Ser
1 5 10

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Gly Asp Ser Ile Ser Ser Ser Asn Trp Trp Ser
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Gly Gly Asp Ile Ser Ser Ser Asn Trp Trp Ser
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Gly Gly Ser Asp Ser Ser Ser Asn Trp Trp Ser
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Gly Gly Ser Ile Asp Ser Ser Asn Trp Trp Ser
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Gly Gly Ser Ile Ser Asp Ser Asn Trp Trp Ser
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Gly Gly Ser Ile Ser Ser Asp Asn Trp Trp Ser
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Gly Gly Ser Ile Ser Ser Ser Asp Trp Trp Ser
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Gly Gly Ser Ile Ser Ser Ser Asn Asp Trp Ser
 1 5 10

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Gly Gly Ser Ile Ser Ser Ser Asn Trp Trp Asp
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His Gly Ser Ile Ser Ser Ser Asn Trp Trp Ser
 1 5 10

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2873273PC01SequenceListingST25

Gly His Ser Ile Ser Ser Ser Asn Trp Trp Ser
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Gly Gly His Ile Ser Ser Ser Asn Trp Trp Ser
1 5 10

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Gly Gly Ser His Ser Ser Ser Asn Trp Trp Ser
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Gly Gly Ser Ile His Ser Ser Asn Trp Trp Ser
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Gly Gly Ser Ile Ser His Ser Asn Trp Trp Ser
1 5 10

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Gly Gly Ser Ile Ser Ser His Asn Trp Trp Ser
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Gly Gly Ser Ile Ser Ser Ser His Trp Trp Ser
1 5 10

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Gly Gly Ser Ile Ser Ser Ser Asn His Trp Ser
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Gly Gly Ser Ile Ser Ser Ser Asn Trp His Ser
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<211> 11

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Lys Gly Ser Ile Ser Ser Ser Asn Trp Trp Ser
1 5 10

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Gly Lys Ser Ile Ser Ser Ser Asn Trp Trp Ser
 1 5 10

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Gly Gly Lys Ile Ser Ser Ser Asn Trp Trp Ser
 1 5 10

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Gly Gly Ser Lys Ser Ser Ser Asn Trp Trp Ser
 1 5 10

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Gly Gly Ser Ile Lys Ser Ser Asn Trp Trp Ser
 1 5 10

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Gly Gly Ser Ile Ser Lys Ser Asn Trp Trp Ser

2873273PC01SequenceListingST25

<400> 96

Gly Gly Ser Leu Ser Ser Ser Asn Trp Trp Ser
1 5 10

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Gly Gly Ser Ile Leu Ser Ser Asn Trp Trp Ser
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Gly Gly Ser Ile Ser Leu Ser Asn Trp Trp Ser
1 5 10

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Gly Gly Ser Ile Ser Ser Leu Asn Trp Trp Ser
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Gly Gly Ser Ile Ser Ser Ser Leu Trp Trp Ser
1 5 10

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2873273PC01SequenceListingST25

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Gly	Gly	Ser	Ile	Ser	Ser	Ser	Asn	Leu	Trp	Ser
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<213> Homo sapiens

<400> 102

Gly	Gly	Ser	Ile	Ser	Ser	Ser	Asn	Trp	Leu	Ser
1				5					10	

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<400> 103

Gly	Gly	Ser	Ile	Ser	Ser	Ser	Asn	Trp	Trp	Leu
1				5					10	

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<400> 104

Gln	Gly	Ser	Ile	Ser	Ser	Ser	Asn	Trp	Trp	Ser
1				5					10	

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<213> Homo sapiens

<400> 105

Gly	Gln	Ser	Ile	Ser	Ser	Ser	Asn	Trp	Trp	Ser
1				5					10	

2873273PC01SequenceListingST25

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<400> 106

Gly Gly Gln Ile Ser Ser Ser Asn Trp Trp Ser
 1 5 10

<210> 107
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<400> 107

Gly Gly Ser Gln Ser Ser Ser Asn Trp Trp Ser
 1 5 10

<210> 108
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<400> 108

Gly Gly Ser Ile Gln Ser Ser Asn Trp Trp Ser
 1 5 10

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Gly Gly Ser Ile Ser Gln Ser Asn Trp Trp Ser
 1 5 10

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2873273PC01SequenceListingST25

Gly Gly Ser Ile Ser Ser Gln Asn Trp Trp Ser
1 5 10

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<400> 111

Gly Gly Ser Ile Ser Ser Ser Gln Trp Trp Ser
1 5 10

<210> 112
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<400> 112

Gly Gly Ser Ile Ser Ser Ser Asn Gln Trp Ser
1 5 10

<210> 113
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<400> 113

Ser Gly Ser Ile Ser Ser Ser Asn Trp Trp Ser
1 5 10

<210> 114
<211> 11
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<400> 114

Gly Ser Ser Ile Ser Ser Ser Asn Trp Trp Ser
1 5 10

<210> 115
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<400> 115

Gly Gly Ser Ser Ser Ser Ser Asn Trp Trp Ser
 1 5 10

<210> 116

<211> 11

<212> PRT

<213> Homo sapiens

<400> 116

Gly Gly Ser Ile Ser Ser Ser Ser Trp Trp Ser
 1 5 10

<210> 117

<211> 11

<212> PRT

<213> Homo sapiens

<400> 117

Gly Gly Ser Ile Ser Ser Ser Asn Ser Trp Ser
 1 5 10

<210> 118

<211> 11

<212> PRT

<213> Homo sapiens

<400> 118

Trp Gly Ser Ile Ser Ser Ser Asn Trp Trp Ser
 1 5 10

<210> 119

<211> 11

<212> PRT

<213> Homo sapiens

<400> 119

Gly Trp Ser Ile Ser Ser Ser Asn Trp Trp Ser
 1 5 10

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2873273PC01SequenceListingST25

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Gly Gly Trp Ile Ser Ser Ser Asn Trp Trp Ser
 1 5 10

<210> 121
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Gly Gly Ser Trp Ser Ser Ser Asn Trp Trp Ser
 1 5 10

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Gly Gly Ser Ile Trp Ser Ser Asn Trp Trp Ser
 1 5 10

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<400> 123

Gly Gly Ser Ile Ser Trp Ser Asn Trp Trp Ser
 1 5 10

<210> 124
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<400> 124

Gly Gly Ser Ile Ser Ser Trp Asn Trp Trp Ser
 1 5 10

2873273PC01SequenceListingST25

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Gly Gly Ser Ile Ser Ser Ser Trp Trp Trp Ser
 1 5 10

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<400> 126

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

<210> 127
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<400> 127

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

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

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2873273PC01SequenceListingST25

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

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

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

<210> 133
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<400> 133

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

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<400> 134

Gly Gly Ser Ile Ser Ser Ser Asn Tyr Trp Ser
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<400> 135

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

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Ala Ile Tyr His Ser Gly Asn Thr Asn Tyr Asn
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Glu Ala Tyr His Ser Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 138

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Glu Ile Ala His Ser Gly Asn Thr Asn Tyr Asn
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Glu	Ile	Tyr	Ala	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
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Glu	Ile	Tyr	His	Ser	Ala	Asn	Thr	Asn	Tyr	Asn
1				5					10	

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Glu	Ile	Tyr	His	Ser	Gly	Ala	Thr	Asn	Tyr	Asn
1				5					10	

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<400> 143

Glu	Ile	Tyr	His	Ser	Gly	Asn	Ala	Asn	Tyr	Asn
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1 5 10

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<400> 144

Glu Ile Tyr His Ser Gly Asn Thr Ala Tyr Asn
1 5 10

<210> 145
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<400> 145

Glu Ile Tyr His Ser Gly Asn Thr Asn Ala Asn
1 5 10

<210> 146
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<400> 146

Glu Ile Tyr His Ser Gly Asn Thr Asn Tyr Ala
1 5 10

<210> 147
<211> 11
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<400> 147

Asp Ile Tyr His Ser Gly Asn Thr Asn Tyr Asn
1 5 10

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2873273PC01SequenceListingST25

<400> 148

Glu Ile Asp His Ser Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 149

<211> 11

<212> PRT

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<400> 149

Glu Ile Tyr Asp Ser Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 150

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<212> PRT

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<400> 150

Glu Ile Tyr His Asp Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 151

<211> 11

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<213> Homo sapiens

<400> 151

Glu Ile Tyr His Ser Gly Asp Thr Asn Tyr Asn
1 5 10

<210> 152

<211> 11

<212> PRT

<213> Homo sapiens

<400> 152

Glu Ile Tyr His Ser Gly Asn Asp Asn Tyr Asn
1 5 10

<210> 153

<211> 11

2873273PC01SequenceListingST25

<212> PRT
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<400> 153

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asp	Tyr	Asn
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<400> 154

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Asp	Asn
1				5					10	

<210> 155
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<213> Homo sapiens

<400> 155

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asp
1				5					10	

<210> 156
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<400> 156

His	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 157
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<400> 157

Glu	His	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

2873273PC01SequenceListingST25

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<400> 158

Glu Ile His His Ser Gly Asn Thr Asn Tyr Asn
 1 5 10

<210> 159
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<400> 159

Glu Ile Tyr His His Gly Asn Thr Asn Tyr Asn
 1 5 10

<210> 160
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<400> 160

Glu Ile Tyr His Ser His Asn Thr Asn Tyr Asn
 1 5 10

<210> 161
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<400> 161

Glu Ile Tyr His Ser Gly His Thr Asn Tyr Asn
 1 5 10

<210> 162
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<400> 162

2873273PC01SequenceListingST25

Glu Ile Tyr His Ser Gly Asn His Asn Tyr Asn
1 5 10

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<400> 163

Glu Ile Tyr His Ser Gly Asn Thr His Tyr Asn
1 5 10

<210> 164
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Glu Ile Tyr His Ser Gly Asn Thr Asn His Asn
1 5 10

<210> 165
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<400> 165

Glu Ile Tyr His Ser Gly Asn Thr Asn Tyr His
1 5 10

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<400> 166

Glu Lys Tyr His Ser Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 167
<211> 11
<212> PRT
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<400> 167

Glu Ile Lys His Ser Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 168

<211> 11

<212> PRT

<213> Homo sapiens

<400> 168

Glu Ile Tyr Lys Ser Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 169

<211> 11

<212> PRT

<213> Homo sapiens

<400> 169

Glu Ile Tyr His Lys Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 170

<211> 11

<212> PRT

<213> Homo sapiens

<400> 170

Glu Ile Tyr His Ser Lys Asn Thr Asn Tyr Asn
1 5 10

<210> 171

<211> 11

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<400> 171

Glu Ile Tyr His Ser Gly Lys Thr Asn Tyr Asn
1 5 10

<210> 172

2873273PC01SequenceListingST25

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<400> 172

Glu	Ile	Tyr	His	Ser	Gly	Asn	Lys	Asn	Tyr	Asn
1				5					10	

<210> 173
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<400> 173

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Lys	Tyr	Asn
1				5					10	

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<400> 174

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Lys	Asn
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<400> 175

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Lys
1				5					10	

<210> 176
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 <213> Homo sapiens

<400> 176

Leu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 177
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<213> Homo sapiens

<400> 177

Glu	Leu	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 178
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<400> 178

Glu	Ile	Leu	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 179
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<400> 179

Glu	Ile	Tyr	Leu	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

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<400> 180

Glu	Ile	Tyr	His	Leu	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 181
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<400> 181

2873273PC01SequenceListingST25

Glu Ile Tyr His Ser Leu Asn Thr Asn Tyr Asn
1 5 10

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<400> 182

Glu Ile Tyr His Ser Gly Leu Thr Asn Tyr Asn
1 5 10

<210> 183
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<400> 183

Glu Ile Tyr His Ser Gly Asn Leu Asn Tyr Asn
1 5 10

<210> 184
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<400> 184

Glu Ile Tyr His Ser Gly Asn Thr Leu Tyr Asn
1 5 10

<210> 185
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<400> 185

Glu Ile Tyr His Ser Gly Asn Thr Asn Leu Asn
1 5 10

<210> 186
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<213> Homo sapiens

<400> 186

Glu Ile Tyr His Ser Gly Asn Thr Asn Tyr Leu
1 5 10

<210> 187

<211> 11

<212> PRT

<213> Homo sapiens

<400> 187

Gln Ile Tyr His Ser Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 188

<211> 11

<212> PRT

<213> Homo sapiens

<400> 188

Glu Gln Tyr His Ser Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 189

<211> 11

<212> PRT

<213> Homo sapiens

<400> 189

Glu Ile Gln His Ser Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 190

<211> 11

<212> PRT

<213> Homo sapiens

<400> 190

Glu Ile Tyr Gln Ser Gly Asn Thr Asn Tyr Asn
1 5 10

2873273PC01SequenceListingST25

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<400> 191

Glu	Ile	Tyr	His	Gln	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 192
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<400> 192

Glu	Ile	Tyr	His	Ser	Gln	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 193
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 <213> Homo sapiens

<400> 193

Glu	Ile	Tyr	His	Ser	Gly	Gln	Thr	Asn	Tyr	Asn
1				5					10	

<210> 194
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 <213> Homo sapiens

<400> 194

Glu	Ile	Tyr	His	Ser	Gly	Asn	Gln	Asn	Tyr	Asn
1				5					10	

<210> 195
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<400> 195

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Gln	Tyr	Asn
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1 5 10

<210> 196
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 <213> Homo sapiens

<400> 196

Glu Ile Tyr His Ser Gly Asn Thr Asn Gln Asn
 1 5 10

<210> 197
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 <213> Homo sapiens

<400> 197

Glu Ile Tyr His Ser Gly Asn Thr Asn Tyr Gln
 1 5 10

<210> 198
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<400> 198

Ser Ile Tyr His Ser Gly Asn Thr Asn Tyr Asn
 1 5 10

<210> 199
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<400> 199

Glu Ser Tyr His Ser Gly Asn Thr Asn Tyr Asn
 1 5 10

<210> 200
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<400> 200

Glu	Ile	Ser	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
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<400> 201

Glu	Ile	Tyr	Ser	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
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<210> 202

<211> 11

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<213> Homo sapiens

<400> 202

Glu	Ile	Tyr	His	Ser	Ser	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 203

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<213> Homo sapiens

<400> 203

Glu	Ile	Tyr	His	Ser	Gly	Ser	Thr	Asn	Tyr	Asn
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<210> 204

<211> 11

<212> PRT

<213> Homo sapiens

<400> 204

Glu	Ile	Tyr	His	Ser	Gly	Asn	Ser	Asn	Tyr	Asn
1				5					10	

<210> 205

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2873273PC01SequenceListingST25

<212> PRT
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<400> 205

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Ser	Tyr	Asn
1				5					10	

<210> 206
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<213> Homo sapiens

<400> 206

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Ser	Asn
1				5					10	

<210> 207
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<212> PRT
<213> Homo sapiens

<400> 207

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Ser
1				5					10	

<210> 208
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<212> PRT
<213> Homo sapiens

<400> 208

Trp	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 209
<211> 11
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<213> Homo sapiens

<400> 209

Glu	Ile	Trp	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

2873273PC01SequenceListingST25

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 <212> PRT
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<400> 210

Glu	Ile	Tyr	Trp	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

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

<400> 211

Glu	Ile	Tyr	His	Trp	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 212
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 212

Glu	Ile	Tyr	His	Ser	Trp	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 213
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 213

Glu	Ile	Tyr	His	Ser	Gly	Trp	Thr	Asn	Tyr	Asn
1				5					10	

<210> 214
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<400> 214

2873273PC01SequenceListingST25

Glu Ile Tyr His Ser Gly Asn Trp Asn Tyr Asn
1 5 10

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<400> 215

Glu Ile Tyr His Ser Gly Asn Thr Trp Tyr Asn
1 5 10

<210> 216
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<400> 216

Glu Ile Tyr His Ser Gly Asn Thr Asn Trp Asn
1 5 10

<210> 217
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<212> PRT
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<400> 217

Glu Ile Tyr His Ser Gly Asn Thr Asn Tyr Trp
1 5 10

<210> 218
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<213> Homo sapiens

<400> 218

Tyr Ile Tyr His Ser Gly Asn Thr Asn Tyr Asn
1 5 10

<210> 219
<211> 11
<212> PRT
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<400> 219

Glu	Tyr	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 220

<211> 11

<212> PRT

<213> Homo sapiens

<400> 220

Glu	Ile	Tyr	Tyr	Ser	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 221

<211> 11

<212> PRT

<213> Homo sapiens

<400> 221

Glu	Ile	Tyr	His	Tyr	Gly	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 222

<211> 11

<212> PRT

<213> Homo sapiens

<400> 222

Glu	Ile	Tyr	His	Ser	Tyr	Asn	Thr	Asn	Tyr	Asn
1				5					10	

<210> 223

<211> 11

<212> PRT

<213> Homo sapiens

<400> 223

Glu	Ile	Tyr	His	Ser	Gly	Tyr	Thr	Asn	Tyr	Asn
1				5					10	

<210> 224

2873273PC01SequenceListingST25

<211> 11
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 <213> Homo sapiens

<400> 224

Glu	Ile	Tyr	His	Ser	Gly	Asn	Tyr	Asn	Tyr	Asn
1				5					10	

<210> 225
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 <212> PRT
 <213> Homo sapiens

<400> 225

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Tyr	Tyr	Asn
1				5					10	

<210> 226
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 <212> PRT
 <213> Homo sapiens

<400> 226

Glu	Ile	Tyr	His	Ser	Gly	Asn	Thr	Asn	Tyr	Tyr
1				5					10	

<210> 227
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 <213> Homo sapiens

<400> 227

Ala	Gly	Ile	Gly	Trp	Pro	Ser	Phe	Asp	Tyr
1				5					10

<210> 228
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 <212> PRT
 <213> Homo sapiens

<400> 228

Glu	Ala	Ile	Gly	Trp	Pro	Ser	Phe	Asp	Tyr
1				5					10

2873273PC01SequenceListingST25

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 <212> PRT
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<400> 229

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

<210> 230
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 <212> PRT
 <213> Homo sapiens

<400> 230

Glu	Gly	Ile	Ala	Trp	Pro	Ser	Phe	Asp	Tyr
1				5					10

<210> 231
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 <212> PRT
 <213> Homo sapiens

<400> 231

Glu	Gly	Ile	Gly	Trp	Pro	Ala	Phe	Asp	Tyr
1				5					10

<210> 232
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 <212> PRT
 <213> Homo sapiens

<400> 232

Glu	Gly	Ile	Gly	Trp	Pro	Ser	Phe	Asp	Ala
1				5					10

<210> 233
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 <212> PRT
 <213> Homo sapiens

<400> 233

2873273PC01SequenceListingST25

Asp Gly Ile Gly Trp Pro Ser Phe Asp Tyr
1 5 10

<210> 234
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<212> PRT
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<400> 234

Glu Asp Ile Gly Trp Pro Ser Phe Asp Tyr
1 5 10

<210> 235
<211> 10
<212> PRT
<213> Homo sapiens

<400> 235

Glu Gly Asp Gly Trp Pro Ser Phe Asp Tyr
1 5 10

<210> 236
<211> 10
<212> PRT
<213> Homo sapiens

<400> 236

Glu Gly Ile Gly Trp Pro Ser Phe Asp Asp
1 5 10

<210> 237
<211> 10
<212> PRT
<213> Homo sapiens

<400> 237

His Gly Ile Gly Trp Pro Ser Phe Asp Tyr
1 5 10

<210> 238
<211> 10
<212> PRT

<213> Homo sapiens

<400> 238

Glu	His	Ile	Gly	Trp	Pro	Ser	Phe	Asp	Tyr
1				5					10

<210> 239

<211> 10

<212> PRT

<213> Homo sapiens

<400> 239

Glu	Gly	His	Gly	Trp	Pro	Ser	Phe	Asp	Tyr
1				5					10

<210> 240

<211> 10

<212> PRT

<213> Homo sapiens

<400> 240

Glu	Gly	Ile	Gly	Trp	Pro	His	Phe	Asp	Tyr
1				5					10

<210> 241

<211> 10

<212> PRT

<213> Homo sapiens

<400> 241

Glu	Gly	Ile	Gly	Trp	Pro	Ser	His	Asp	Tyr
1				5					10

<210> 242

<211> 10

<212> PRT

<213> Homo sapiens

<400> 242

Glu	Gly	Ile	Gly	Trp	Pro	Ser	Phe	Asp	His
1				5					10

2873273PC01SequenceListingST25

<210> 243
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 <213> Homo sapiens

<400> 243

Glu Lys Ile Gly Trp Pro Ser Phe Asp Tyr
 1 5 10

<210> 244
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 <212> PRT
 <213> Homo sapiens

<400> 244

Glu Gly Lys Gly Trp Pro Ser Phe Asp Tyr
 1 5 10

<210> 245
 <211> 10
 <212> PRT
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<400> 245

Glu Gly Ile Gly Trp Pro Ser Phe Lys Tyr
 1 5 10

<210> 246
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 <212> PRT
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<400> 246

Glu Gly Ile Gly Trp Pro Ser Phe Asp Lys
 1 5 10

<210> 247
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<400> 247

Leu Gly Ile Gly Trp Pro Ser Phe Asp Tyr

1 5 10

<210> 248
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<400> 248

Glu Gly Leu Gly Trp Pro Ser Phe Asp Tyr
 1 5 10

<210> 249
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<400> 249

Glu Gly Ile Gly Trp Pro Leu Phe Asp Tyr
 1 5 10

<210> 250
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 <212> PRT
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<400> 250

Glu Gly Ile Gly Trp Pro Ser Leu Asp Tyr
 1 5 10

<210> 251
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<400> 251

Glu Gly Ile Gly Trp Pro Ser Phe Asp Leu
 1 5 10

<210> 252
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 <212> PRT
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2873273PC01SequenceListingST25

<400> 252

Gln Gly Ile Gly Trp Pro Ser Phe Asp Tyr
1 5 10

<210> 253

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<212> PRT

<213> Homo sapiens

<400> 253

Glu Gln Ile Gly Trp Pro Ser Phe Asp Tyr
1 5 10

<210> 254

<211> 10

<212> PRT

<213> Homo sapiens

<400> 254

Glu Gly Gln Gly Trp Pro Ser Phe Asp Tyr
1 5 10

<210> 255

<211> 10

<212> PRT

<213> Homo sapiens

<400> 255

Glu Gly Ile Gly Trp Pro Gln Phe Asp Tyr
1 5 10

<210> 256

<211> 10

<212> PRT

<213> Homo sapiens

<400> 256

Glu Gly Ile Gly Trp Pro Ser Phe Gln Tyr
1 5 10

<210> 257

<211> 10

2873273PC01SequenceListingST25

<212> PRT
<213> Homo sapiens

<400> 257

Glu	Gly	Ile	Gly	Trp	Pro	Ser	Phe	Asp	Gln
1				5					10

<210> 258
<211> 10
<212> PRT
<213> Homo sapiens

<400> 258

Ser	Gly	Ile	Gly	Trp	Pro	Ser	Phe	Asp	Tyr
1				5					10

<210> 259
<211> 10
<212> PRT
<213> Homo sapiens

<400> 259

Glu	Ser	Ile	Gly	Trp	Pro	Ser	Phe	Asp	Tyr
1				5					10

<210> 260
<211> 10
<212> PRT
<213> Homo sapiens

<400> 260

Glu	Gly	Ser	Gly	Trp	Pro	Ser	Phe	Asp	Tyr
1				5					10

<210> 261
<211> 10
<212> PRT
<213> Homo sapiens

<400> 261

Glu	Gly	Ile	Gly	Trp	Pro	Ser	Phe	Asp	Ser
1				5					10

2873273PC01SequenceListingST25

<210> 262
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 262

Glu	Trp	Ile	Gly	Trp	Pro	Ser	Phe	Asp	Tyr
1				5					10

<210> 263
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 263

Glu	Gly	Trp	Gly	Trp	Pro	Ser	Phe	Asp	Tyr
1				5					10

<210> 264
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 264

Glu	Gly	Ile	Gly	Trp	Pro	Trp	Phe	Asp	Tyr
1				5					10

<210> 265
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 265

Glu	Gly	Ile	Gly	Trp	Pro	Ser	Trp	Asp	Tyr
1				5					10

<210> 266
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 <212> PRT
 <213> Homo sapiens

<400> 266

2873273PC01SequenceListingST25

Glu Gly Ile Gly Trp Pro Ser Phe Asp Trp
1 5 10

<210> 267
<211> 10
<212> PRT
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<400> 267

Glu Tyr Ile Gly Trp Pro Ser Phe Asp Tyr
1 5 10

<210> 268
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<212> PRT
<213> Homo sapiens

<400> 268

Glu Gly Tyr Gly Trp Pro Ser Phe Asp Tyr
1 5 10

<210> 269
<211> 10
<212> PRT
<213> Homo sapiens

<400> 269

Glu Gly Ile Gly Tyr Pro Ser Phe Asp Tyr
1 5 10

<210> 270
<211> 10
<212> PRT
<213> Homo sapiens

<400> 270

Glu Gly Ile Gly Trp Pro Tyr Phe Asp Tyr
1 5 10

<210> 271
<211> 10
<212> PRT
<213> Homo sapiens

2873273PC01SequenceListingST25

<400> 271

Glu Gly Ile Gly Trp Pro Ser Tyr Asp Tyr
1 5 10

<210> 272

<211> 10

<212> PRT

<213> Homo sapiens

<400> 272

Glu Gly Ile Gly Trp Pro Ser Phe Tyr Tyr
1 5 10

<210> 273

<211> 11

<212> PRT

<213> Homo sapiens

<400> 273

Ala Gly Asp Thr Leu Arg Asn Tyr Tyr Ala Ser
1 5 10

<210> 274

<211> 11

<212> PRT

<213> Homo sapiens

<400> 274

Gln Ala Asp Thr Leu Arg Asn Tyr Tyr Ala Ser
1 5 10

<210> 275

<211> 11

<212> PRT

<213> Homo sapiens

<400> 275

Gln Gly Ala Thr Leu Arg Asn Tyr Tyr Ala Ser
1 5 10

<210> 276

2873273PC01SequenceListingST25

<211> 11
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 <213> Homo sapiens

<400> 276

Gln	Gly	Asp	Ala	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 277
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 <212> PRT
 <213> Homo sapiens

<400> 277

Gln	Gly	Asp	Thr	Ala	Arg	Asn	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 278
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 278

Gln	Gly	Asp	Thr	Leu	Ala	Asn	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 279
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 279

Gln	Gly	Asp	Thr	Leu	Arg	Ala	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 280
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 280

Gln	Gly	Asp	Thr	Leu	Arg	Asn	Tyr	Ala	Ala	Ser
1				5					10	

2873273PC01SequenceListingST25

<210> 281
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 <212> PRT
 <213> Homo sapiens

<400> 281

Gln Gly Asp Thr Leu Arg Asn Tyr Tyr Ala Ala
 1 5 10

<210> 282
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 282

Asp Gly Asp Thr Leu Arg Asn Tyr Tyr Ala Ser
 1 5 10

<210> 283
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 283

Gln Asp Asp Thr Leu Arg Asn Tyr Tyr Ala Ser
 1 5 10

<210> 284
 <211> 11
 <212> PRT
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<400> 284

Gln Gly Asp Asp Leu Arg Asn Tyr Tyr Ala Ser
 1 5 10

<210> 285
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 285

2873273PC01SequenceListingST25

Gln Gly Asp Thr Leu Asp Asn Tyr Tyr Ala Ser
1 5 10

<210> 286
<211> 11
<212> PRT
<213> Homo sapiens

<400> 286

Gln Gly Asp Thr Leu Arg Asp Tyr Tyr Ala Ser
1 5 10

<210> 287
<211> 11
<212> PRT
<213> Homo sapiens

<400> 287

His Gly Asp Thr Leu Arg Asn Tyr Tyr Ala Ser
1 5 10

<210> 288
<211> 11
<212> PRT
<213> Homo sapiens

<400> 288

Gln His Asp Thr Leu Arg Asn Tyr Tyr Ala Ser
1 5 10

<210> 289
<211> 11
<212> PRT
<213> Homo sapiens

<400> 289

Gln Gly His Thr Leu Arg Asn Tyr Tyr Ala Ser
1 5 10

<210> 290
<211> 11
<212> PRT

<213> Homo sapiens

<400> 290

Gln	Gly	Asp	His	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 291

<211> 11

<212> PRT

<213> Homo sapiens

<400> 291

Gln	Gly	Asp	Thr	His	Arg	Asn	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 292

<211> 11

<212> PRT

<213> Homo sapiens

<400> 292

Gln	Gly	Asp	Thr	Leu	His	Asn	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 293

<211> 11

<212> PRT

<213> Homo sapiens

<400> 293

Gln	Gly	Asp	Thr	Leu	Arg	His	Tyr	Tyr	Ala	Ser
1				5					10	

<210> 294

<211> 11

<212> PRT

<213> Homo sapiens

<400> 294

Gln	Gly	Asp	Thr	Leu	Arg	Asn	Tyr	His	Ala	Ser
1				5					10	

2873273PC01SequenceListingST25

<210> 295
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 <212> PRT
 <213> Homo sapiens

<400> 295

Lys Gly Asp Thr Leu Arg Asn Tyr Tyr Ala Ser
 1 5 10

<210> 296
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 296

Gln Lys Asp Thr Leu Arg Asn Tyr Tyr Ala Ser
 1 5 10

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Gln Gly Lys Thr Leu Arg Asn Tyr Tyr Ala Ser
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Gln Gly Asp Thr Leu Lys Asn Tyr Tyr Ala Ser
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Gln Gly Asp Thr Leu Arg Lys Tyr Tyr Ala Ser

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Gln	Gly	Asp	Thr	Leu	Arg	Leu	Tyr	Tyr	Ala	Ser
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Gln	Gly	Asp	Thr	Leu	Arg	Asn	Tyr	Leu	Ala	Ser
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Gln	Gln	Asp	Thr	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
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Gln	Gly	Gln	Thr	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
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Gln	Gly	Asp	Gln	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
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Gln	Gly	Asp	Thr	Leu	Gln	Asn	Tyr	Tyr	Ala	Ser
1				5					10	

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Gln	Gly	Asp	Thr	Leu	Arg	Gln	Tyr	Tyr	Ala	Ser
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Gln	Gly	Asp	Thr	Leu	Arg	Asn	Tyr	Gln	Ala	Ser
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Ser	Gly	Asp	Thr	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
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Gln	Ser	Asp	Thr	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
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Gln	Gly	Ser	Thr	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
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Gln	Gly	Asp	Ser	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
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<400> 316

Gln	Gly	Asp	Thr	Leu	Ser	Asn	Tyr	Tyr	Ala	Ser
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Gln	Gly	Asp	Thr	Leu	Arg	Ser	Tyr	Tyr	Ala	Ser
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Trp Gly Asp Thr Leu Arg Asn Tyr Tyr Ala Ser
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Gln Gly Trp Thr Leu Arg Asn Tyr Tyr Ala Ser
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Gln Gly Asp Trp Leu Arg Asn Tyr Tyr Ala Ser
1 5 10

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Gln Gly Asp Thr Leu Trp Asn Tyr Tyr Ala Ser
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Gln Gly Asp Thr Leu Arg Trp Tyr Tyr Ala Ser
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Gln	Gly	Asp	Thr	Leu	Arg	Asn	Tyr	Trp	Ala	Ser
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Tyr	Gly	Asp	Thr	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
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Gln	Gly	Tyr	Thr	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
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Gln	Gly	Asp	Tyr	Leu	Arg	Asn	Tyr	Tyr	Ala	Ser
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Gln	Gly	Asp	Thr	Leu	Tyr	Asn	Tyr	Tyr	Ala	Ser
1				5					10	

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Gln	Gly	Asp	Thr	Leu	Arg	Tyr	Tyr	Tyr	Ala	Ser
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Ala	Lys	Asn	Asn	Arg	Pro	Ser
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Gly	Ala	Asn	Asn	Arg	Pro	Ser
1				5		

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Gly	Lys	Ala	Asn	Arg	Pro	Ser
1				5		

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Gly Lys Asn Ala Arg Pro Ser
1 5

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Gly Lys Asn Asn Ala Pro Ser
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Gly Lys Asn Asn Arg Ala Ser
1 5

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Gly Lys Asn Asn Arg Pro Ala
1 5

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Asp Lys Asn Asn Arg Pro Ser
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Gly Asp Asn Asn Arg Pro Ser
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Gly Lys Asp Asn Arg Pro Ser
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Gly Lys Asn Asp Arg Pro Ser
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Gly Lys Asn Asn Asp Pro Ser
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Gly Lys Asn Asn Arg Asp Ser
1 5

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Gly Lys Asn Asn Arg Pro Asp
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His Lys Asn Asn Arg Pro Ser
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Gly His Asn Asn Arg Pro Ser
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Gly Lys His Asn Arg Pro Ser
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Gly Lys Asn His Arg Pro Ser
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Gly Lys Asn Asn His Pro Ser
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Gly Lys Asn Asn Arg His Ser
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Gly Lys Asn Asn Arg Pro His
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Lys Lys Asn Asn Arg Pro Ser

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Gly Lys Lys Asn Arg Pro Ser
1 5

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Gly Lys Asn Lys Arg Pro Ser
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Gly Lys Asn Asn Lys Pro Ser
1 5

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Gly Lys Asn Asn Arg Lys Ser
1 5

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Gly Lys Asn Asn Arg Pro Lys
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Leu Lys Asn Asn Arg Pro Ser
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Gly Leu Asn Asn Arg Pro Ser
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Gly Lys Leu Asn Arg Pro Ser
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Gly Lys Asn Leu Arg Pro Ser
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Gly Lys Asn Asn Leu Pro Ser
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Gly Lys Asn Asn Arg Leu Ser
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Gly Lys Asn Asn Arg Pro Leu
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Gln Lys Asn Asn Arg Pro Ser
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Gly Gln Asn Asn Arg Pro Ser
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Gly Lys Gln Asn Arg Pro Ser
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Gly Lys Asn Gln Arg Pro Ser
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Gly Lys Asn Asn Gln Pro Ser
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Gly Lys Asn Asn Arg Gln Ser
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Ser Lys Asn Asn Arg Pro Ser
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Gly Ser Asn Asn Arg Pro Ser
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Gly Lys Ser Asn Arg Pro Ser
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Gly Lys Asn Ser Arg Pro Ser
1 5

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Gly Lys Asn Asn Ser Pro Ser
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Gly Lys Asn Asn Arg Ser Ser
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Trp Lys Asn Asn Arg Pro Ser
1 5

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Gly Trp Asn Asn Arg Pro Ser
1 5

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Gly Lys Trp Asn Arg Pro Ser
1 5

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Gly Lys Asn Trp Arg Pro Ser
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Gly Lys Asn Asn Trp Pro Ser
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Gly Lys Asn Asn Arg Trp Ser
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Gly Lys Asn Asn Arg Pro Trp
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Tyr Lys Asn Asn Arg Pro Ser
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Gly Tyr Asn Asn Arg Pro Ser
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Gly Lys Tyr Asn Arg Pro Ser
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Gly Lys Asn Tyr Arg Pro Ser
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Gly Lys Asn Asn Tyr Pro Ser
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Gly Lys Asn Asn Arg Tyr Ser
1 5

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Gly Lys Asn Asn Arg Pro Tyr
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Asn Ala Arg Asp Ser Ser Gly Lys Asn Leu Val
1 5 10

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Asn Ser Arg Asp Ala Ser Gly Lys Asn Leu Val
1 5 10

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Asn Ser Arg Asp Ser Ala Gly Lys Asn Leu Val
1 5 10

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Asn Ser Arg Asp Ser Ser Ala Lys Asn Leu Val
1 5 10

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Asn Ser Arg Asp Ser Ser Gly Ala Asn Leu Val
1 5 10

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Asn Ser Arg Asp Ser Ser Gly Lys Ala Leu Val
1 5 10

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Asn Ser Arg Asp Ser Ser Gly Lys Asn Ala Val
1 5 10

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Asn Ser Arg Asp Ser Ser Gly Lys Asn Leu Ala
1 5 10

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Asp	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	Leu	Val
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Asn	Ser	Arg	Asp	Asp	Ser	Gly	Lys	Asn	Leu	Val
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Asn	Ser	Arg	Asp	Ser	Asp	Gly	Lys	Asn	Leu	Val
1				5					10	

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 <213> Homo sapiens

<400> 403

Asn	Ser	Arg	Asp	Ser	Ser	Gly	Asp	Asn	Leu	Val
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Asn Ser Arg Asp Ser Ser Gly Lys Asp Leu Val
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Asn Ser Arg Asp Ser Ser Gly Lys Asn Leu Asp
 1 5 10

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His Ser Arg Asp Ser Ser Gly Lys Asn Leu Val
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Asn Ser Arg Asp His Ser Gly Lys Asn Leu Val
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Asn	Ser	Arg	Asp	Ser	Ser	Gly	His	Asn	Leu	Val
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Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	His	Leu	Val
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Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	His	Val
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Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	Leu	His
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Lys	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	Leu	Val
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Asn	Ser	Lys	Asp	Ser	Ser	Gly	Lys	Asn	Leu	Val
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Asn	Ser	Arg	Asp	Lys	Ser	Gly	Lys	Asn	Leu	Val
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Asn	Ser	Arg	Asp	Ser	Lys	Gly	Lys	Asn	Leu	Val
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Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Lys	Leu	Val
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Asn Ser Arg Asp Ser Ser Gly Lys Asn Leu Lys
 1 5 10

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Leu Ser Arg Asp Ser Ser Gly Lys Asn Leu Val
 1 5 10

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Asn Ser Arg Asp Leu Ser Gly Lys Asn Leu Val
 1 5 10

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Asn Ser Arg Asp Ser Leu Gly Lys Asn Leu Val
 1 5 10

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Asn Ser Arg Asp Ser Ser Leu Lys Asn Leu Val
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Asn Ser Arg Asp Ser Ser Gly Leu Asn Leu Val
1 5 10

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Asn Ser Arg Asp Ser Ser Gly Lys Leu Leu Val
1 5 10

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Asn Ser Arg Asp Ser Ser Gly Lys Asn Leu Leu
1 5 10

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Gln Ser Arg Asp Ser Ser Gly Lys Asn Leu Val
1 5 10

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Asn	Ser	Arg	Asp	Gln	Ser	Gly	Lys	Asn	Leu	Val
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Asn	Ser	Arg	Asp	Ser	Gln	Gly	Lys	Asn	Leu	Val
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Asn	Ser	Arg	Asp	Ser	Ser	Gly	Gln	Asn	Leu	Val
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Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Gln	Leu	Val
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Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	Gln	Val
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Ser	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	Leu	Val
1				5					10	

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Asn	Ser	Arg	Asp	Ser	Ser	Ser	Lys	Asn	Leu	Val
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 <213> Homo sapiens

<400> 435

Asn	Ser	Arg	Asp	Ser	Ser	Gly	Ser	Asn	Leu	Val
1				5					10	

<210> 436
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 436

Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Ser	Leu	Val
1				5					10	

<210> 437
<211> 11
<212> PRT
<213> Homo sapiens

<400> 437

Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	Ser	Val
1				5					10	

<210> 438
<211> 11
<212> PRT
<213> Homo sapiens

<400> 438

Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	Leu	Ser
1				5					10	

<210> 439
<211> 11
<212> PRT
<213> Homo sapiens

<400> 439

Asn	Ser	Arg	Asp	Trp	Ser	Gly	Lys	Asn	Leu	Val
1				5					10	

<210> 440
<211> 11
<212> PRT
<213> Homo sapiens

<400> 440

Asn	Ser	Arg	Asp	Ser	Trp	Gly	Lys	Asn	Leu	Val
1				5					10	

<210> 441
<211> 11
<212> PRT
<213> Homo sapiens

<400> 441

2873273PC01SequenceListingST25

Asn Ser Arg Asp Ser Ser Gly Trp Asn Leu Val
1 5 10

<210> 442
<211> 11
<212> PRT
<213> Homo sapiens

<400> 442

Asn Ser Arg Asp Ser Ser Gly Lys Trp Leu Val
1 5 10

<210> 443
<211> 11
<212> PRT
<213> Homo sapiens

<400> 443

Asn Ser Arg Asp Ser Ser Gly Lys Asn Trp Val
1 5 10

<210> 444
<211> 11
<212> PRT
<213> Homo sapiens

<400> 444

Asn Ser Arg Asp Ser Ser Gly Lys Asn Leu Trp
1 5 10

<210> 445
<211> 11
<212> PRT
<213> Homo sapiens

<400> 445

Tyr Ser Arg Asp Ser Ser Gly Lys Asn Leu Val
1 5 10

<210> 446
<211> 11
<212> PRT

<213> Homo sapiens

<400> 446

Asn	Ser	Arg	Asp	Tyr	Ser	Gly	Lys	Asn	Leu	Val
1				5					10	

<210> 447

<211> 11

<212> PRT

<213> Homo sapiens

<400> 447

Asn	Ser	Arg	Asp	Ser	Tyr	Gly	Lys	Asn	Leu	Val
1				5					10	

<210> 448

<211> 11

<212> PRT

<213> Homo sapiens

<400> 448

Asn	Ser	Arg	Asp	Ser	Ser	Tyr	Lys	Asn	Leu	Val
1				5					10	

<210> 449

<211> 11

<212> PRT

<213> Homo sapiens

<400> 449

Asn	Ser	Arg	Asp	Ser	Ser	Gly	Tyr	Asn	Leu	Val
1				5					10	

<210> 450

<211> 11

<212> PRT

<213> Homo sapiens

<400> 450

Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Tyr	Leu	Val
1				5					10	

2873273PC01SequenceListingST25

<210> 451
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 451

Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	Tyr	Val
1				5					10	

<210> 452
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 452

Asn	Ser	Arg	Asp	Ser	Ser	Gly	Lys	Asn	Leu	Tyr
1				5					10	

<210> 453
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 453

Gly	Gly	Ser	Ile	Ser	Ser	Ser	Asn	Trp	Trp	Ser
1				5					10	

<210> 454
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 454

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

Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Ser
			20					25					30		

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

2873273PC01SequenceListingST25

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 455
<211> 108
<212> PRT
<213> Homo sapiens

<400> 455

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu

2873273PC01SequenceListingST25

100

105

<210> 456
 <211> 214
 <212> PRT
 <213> Homo sapiens

<400> 456

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
 65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
 85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys
 100 105 110

Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln
 115 120 125

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

Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys Ala Gly
 145 150 155 160

Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala
 165 170 175

2873273PC01SequenceListingST25

Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser
180 185 190

Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val
195 200 205

Ala Pro Thr Glu Cys Ser
210

<210> 457
<211> 108
<212> PRT
<213> Homo sapiens

<400> 457

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Leu Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 458
<211> 214
<212> PRT

2873273PC01SequenceListingST25

<213> Homo sapiens

<400> 458

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
 65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Leu Ser Gly Lys Asn
 85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys
 100 105 110

Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln
 115 120 125

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

Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys Ala Gly
 145 150 155 160

Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala
 165 170 175

Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser
 180 185 190

2873273PC01SequenceListingST25

Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val
195 200 205

Ala Pro Thr Glu Cys Ser
210

<210> 459
<211> 108
<212> PRT
<213> Homo sapiens

<400> 459

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Phe Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 460
<211> 214
<212> PRT
<213> Homo sapiens

<400> 460

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

2873273PC01SequenceListingST25

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Phe Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys
100 105 110

Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln
115 120 125

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

Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys Ala Gly
145 150 155 160

Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala
165 170 175

Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser
180 185 190

Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val
195 200 205

Ala Pro Thr Glu Cys Ser
210

2873273PC01SequenceListingST25

<210> 461
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 461

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
 20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
 115

<210> 462
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 462

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

2873273PC01SequenceListingST25

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 463
<211> 119
<212> PRT
<213> Homo sapiens

<400> 463

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser

[illegible]

2873273PC01SequenceListingST25

<210> 465
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 465

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
 20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
 115

<210> 466
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 466

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

2873273PC01SequenceListingST25

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 467
<211> 119
<212> PRT
<213> Homo sapiens

<400> 467

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser

2873273PC01SequenceListingST25

<210> 469
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 469

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
 20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
 115

<210> 470
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 470

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

2873273PC01SequenceListingST25

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 471
<211> 119
<212> PRT
<213> Homo sapiens

<400> 471

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser

2873273PC01SequenceListingST25

<210> 473
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 473

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
 20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
 115

<210> 474
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 474

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

2873273PC01SequenceListingST25

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 475
<211> 119
<212> PRT
<213> Homo sapiens

<400> 475

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser

2873273PC01SequenceListingST25

<210> 477
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 477

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
 20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
 115

<210> 478
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 478

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

2873273PC01SequenceListingST25

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 479
<211> 119
<212> PRT
<213> Homo sapiens

<400> 479

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser

2873273PC01SequenceListingST25

<210> 481
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 481

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
 20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
 115

<210> 482
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 482

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

2873273PC01SequenceListingST25

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 483
<211> 119
<212> PRT
<213> Homo sapiens

<400> 483

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser

2873273PC01SequenceListingST25

<210> 485
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 485

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
 20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
 115

<210> 486
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 486

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

2873273PC01SequenceListingST25

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

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

Ala Arg Glu Gly Ile Gly Trp Pro Ser Phe Asp His Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 487
<211> 119
<212> PRT
<213> Homo sapiens

<400> 487

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser

2873273PC01SequenceListingST25

<210> 489
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 489

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

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
 20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
 115

<210> 490
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 490

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

2873273PC01SequenceListingST25

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser
20 25 30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 491
<211> 108
<212> PRT
<213> Homo sapiens

<400> 491

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<400> 492

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Ser Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<400> 493

2873273PC01SequenceListingST25

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

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

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

Ser Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 494
<211> 108
<212> PRT
<213> Homo sapiens

<400> 494

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

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

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

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

2873273PC01SequenceListingST25

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 495
<211> 108
<212> PRT
<213> Homo sapiens

<400> 495

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

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

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

Gly His Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 496
<211> 108
<212> PRT
<213> Homo sapiens

2873273PC01SequenceListingST25

<400> 496

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

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

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

Gly Leu Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
 65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
 85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 497

<211> 108

<212> PRT

<213> Homo sapiens

<400> 497

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

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

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

Gly Lys Asn Asn Leu Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 50 55 60

2873273PC01SequenceListingST25

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 498
<211> 108
<212> PRT
<213> Homo sapiens

<400> 498

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

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

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

Gly Lys Asn Asn Gln Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 499
<211> 108
<212> PRT
<213> Homo sapiens

2873273PC01SequenceListingST25

<400> 499

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

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

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

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

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 500

<211> 108

<212> PRT

<213> Homo sapiens

<400> 500

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

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

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

Gly His Asn Asn Leu Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

2873273PC01SequenceListingST25

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 501
<211> 108
<212> PRT
<213> Homo sapiens

<400> 501

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

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

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

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

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 502
<211> 108
<212> PRT

2873273PC01SequenceListingST25

<213> Homo sapiens

<400> 502

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 503

<211> 108

<212> PRT

<213> Homo sapiens

<400> 503

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser

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50

55

60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Glu Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 504
<211> 108
<212> PRT
<213> Homo sapiens

<400> 504

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Leu Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 505
<211> 108

2873273PC01SequenceListingST25

<212> PRT
<213> Homo sapiens

<400> 505

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Glu Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 506
<211> 108
<212> PRT
<213> Homo sapiens

<400> 506

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

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

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

2873273PC01SequenceListingST25

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Phe Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 507
<211> 108
<212> PRT
<213> Homo sapiens

<400> 507

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Glu Ser Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 508

2873273PC01SequenceListingST25

<211> 108
 <212> PRT
 <213> Homo sapiens

<400> 508

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
 65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Leu Ser Gly Lys Asn
 85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 509
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 509

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

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

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

2873273PC01SequenceListingST25

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Glu Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 510
<211> 108
<212> PRT
<213> Homo sapiens

<400> 510

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

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Phe Ser Gly Lys Asn
85 90 95

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

2873273PC01SequenceListingST25

<210> 511
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 511

Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
 1 5 10 15

Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
 20 25 30

Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
 35 40 45

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

Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
 65 70 75 80

Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
 85 90 95

Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile Asn
 100 105 110

Thr Ser

<210> 512
 <211> 211
 <212> PRT
 <213> Homo sapiens

<400> 512

Ile Thr Cys Pro Pro Pro Met Ser Val Glu His Ala Asp Ile Trp Val
 1 5 10 15

Lys Ser Tyr Ser Leu Tyr Ser Arg Glu Arg Tyr Ile Cys Asn Ser Gly
 20 25 30

2873273PC01SequenceListingST25

Phe Lys Arg Lys Ala Gly Thr Ser Ser Leu Thr Glu Cys Val Leu Asn
35 40 45

Lys Ala Thr Asn Val Ala His Trp Thr Thr Pro Ser Leu Lys Cys Ile
50 55 60

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

Thr Thr Ala Gly Val Thr Pro Gln Pro Glu Ser Leu Ser Pro Ser Gly
85 90 95

Lys Glu Pro Ala Ala Ser Ser Pro Ser Ser Asn Asn Thr Ala Ala Thr
100 105 110

Thr Ala Ala Ile Val Pro Gly Ser Gln Leu Met Pro Ser Lys Ser Pro
115 120 125

Ser Thr Gly Thr Thr Glu Ile Ser Ser His Glu Ser Ser His Gly Thr
130 135 140

Pro Ser Gln Thr Thr Ala Lys Asn Trp Glu Leu Thr Ala Ser Ala Ser
145 150 155 160

His Gln Pro Pro Gly Val Tyr Pro Gln Gly His Ser Asp Thr Thr Lys
165 170 175

Arg Val Gly Ser Ile Glu Gly Arg Gly Ser Gly Leu Asn Asp Ile Phe
180 185 190

Glu Ala Gln Lys Ile Glu Trp His Glu Gly Ser His His His His His
195 200 205

His His His
210

<210> 513

<211> 107

2873273PC01SequenceListingST25

<212> PRT
<213> Homo sapiens

<400> 513

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
1 5 10 15

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

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

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
50 55 60

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
65 70 75 80

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

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
100 105

<210> 514
<211> 106
<212> PRT
<213> Homo sapiens

<400> 514

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

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

Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro
35 40 45

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Val Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn
50 55 60

Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys
65 70 75 80

Ser His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val
85 90 95

Glu Lys Thr Val Ala Pro Thr Glu Cys Ser
100 105

<210> 515
<211> 448
<212> PRT
<213> Homo sapiens

<400> 515

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

Ser Leu Lys Ile Ser Cys Lys Val Ser Gly Tyr Phe Phe Thr Thr Tyr
20 25 30

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

Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg 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 Gly Asn Trp Asn Cys Phe Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro

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115

120

125

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
 130 135 140

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
 145 150 155 160

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
 165 170 175

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
 180 185 190

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
 195 200 205

Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr
 210 215 220

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu 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 His Glu Asp Pro
 260 265 270

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
 275 280 285

Lys Thr Lys Pro Arg Glu Glu Gln Tyr 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 Ala Leu Pro Ala Pro Ile Glu Lys Thr

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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 Arg Asp Glu Leu 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 Lys Leu Thr Val Asp Lys Ser
405 410 415

Arg Trp Gln Gln 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 Pro Gly Lys
435 440 445

<210> 516
<211> 214
<212> PRT
<213> Homo sapiens

<400> 516

Glu Ile Val Leu Thr Gln Ser Pro Gly 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 Ser
20 25 30

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

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

2873273PC01SequenceListingST25

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

Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Arg Tyr Gly Ser Ser His
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Ser 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> 517

<211> 357

<212> DNA

<213> Homo sapiens

<400> 517

caggtgcagc tgcaggaatc tggccccgga ctggtgaaac ctagcggcac cctgagcctg 60

acctgcgccg tgagcggcgg cagcatcagc agcagcaact ggtggagctg ggtccgccag 120

2873273PC01SequenceListingST25

cctcctggca agggcctgga atggatcggc gagatctacc actacggcta caccaactac 180
aaccccagcc tgaagtcccg ggtgaccatc agcgtggaca agagcaagaa ccagttcagc 240
ctgaagctgt ccagcgtgac agccgccgac accgccgtgt actactgcgc cagagaggga 300
atcggctggc ccagcttcga ttactggggc cagggcaccc tggtgacagt gtcctca 357

<210> 518
<211> 327
<212> DNA
<213> Homo sapiens

<400> 518
agcagcgagc tgaccagga tcccgtgct tccgtggctc tgggccagac cgtgcggatc 60
acctgtcagg gcgacaccct gcggagctac tacgccagct ggtatcagca gaagcccggc 120
caggcccca tcctggtgat ctacggcaag aacaaccggc ccagcggcat ccccgacaga 180
ttcagcggca gcagcagcg caacaccgcc agcctgacca tcactggcgc tcaggccgag 240
gacgaggccg actactactg caacagccgg gacctttccg gcaagaacct ggtgttcggc 300
ggaggcacca agctgaccgt cctaggt 327

<210> 519
<211> 11
<212> PRT
<213> Homo sapiens

<400> 519

Asn Ser Arg Asp Phe Ser Gly Lys Asn Leu Val
1 5 10

<210> 520
<211> 186
<212> PRT
<213> Homo sapiens

<400> 520

Ile Thr Cys Pro Pro Pro Met Ser Val Glu His Ala Asp Ile Trp Val
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Lys Ser Tyr Ser Leu Tyr Ser Arg Glu Arg Tyr Ile Cys Asn Ser Gly
20 25 30

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Phe Lys Arg Lys Ala Gly Thr Ser Ser Leu Thr Glu Cys Val Leu Asn
35 40 45

Lys Ala Thr Asn Val Ala His Trp Thr Thr Pro Ser Leu Lys Cys Ile
50 55 60

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

Thr Thr Ala Gly Val Thr Pro Gln Pro Glu Ser Leu Ser Pro Ser Gly
85 90 95

Lys Glu Pro Ala Ala Ser Ser Pro Ser Ser Asn Asn Thr Ala Ala Thr
100 105 110

Thr Ala Ala Ile Val Pro Gly Ser Gln Leu Met Pro Ser Lys Ser Pro
115 120 125

Ser Thr Gly Thr Thr Glu Ile Ser Ser His Glu Ser Ser His Gly Thr
130 135 140

Pro Ser Gln Thr Thr Ala Lys Asn Trp Glu Leu Thr Ala Ser Ala Ser
145 150 155 160

His Gln Pro Pro Gly Val Tyr Pro Gln Gly His Ser Asp Thr Thr Lys
165 170 175

Arg Val Gly Ser Ile Glu Gly Arg Gly Ser
180 185