

SEQUENCE LISTING

<110> Immatics Biotechnologies GmbH
 <120> NOVEL T CELL RECEPTORS AND IMMUNE THERAPY USING THE SAME
 <130> I33001WO
 <150> DE 102016123847.3
 <151> 2016-12-08
 <150> US 62/431,588
 <151> 2016-12-08
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 Ala Arg Val Asn Ser Gln Gln Gly Glu Glu Asp Pro Gln Ala Leu Ser
 20 25 30

Ile Gln Glu Gly Glu Asn Ala Thr Met Asn Cys Ser Tyr Lys Thr Ser
35 40 45

Ile Asn Asn Leu Gln Trp Tyr Arg Gln Asn Ser Gly Arg Gly Leu Val
50 55 60

His Leu Ile Leu Ile Arg Ser Asn Glu Arg Glu Lys His Ser Gly Arg
65 70 75 80

Leu Arg Val Thr Leu Asp Thr Ser Lys Lys Ser Ser Ser Leu Leu Ile
85 90 95

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

Ala Ser Gly Ser Arg Leu Thr Phe Gly Glu Gly Thr Gln Leu Thr Val
115 120 125

Asn Pro
130

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Asp Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala

115 120 125
 Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
 130 135 140

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 Met Glu Thr Leu Leu Gly Val Ser Leu Val Ile Leu Trp Leu Gln Leu
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 Ala Arg Val Asn Ser Gln Gln Gly Glu Glu Asp Pro Gln Ala Leu Ser
 20 25 30

 Ile Gln Glu Gly Glu Asn Ala Thr Met Asn Cys Ser Tyr Lys Thr Ser
 35 40 45

 Ile Asn Asn Leu Gln Trp Tyr Arg Gln Asn Ser Gly Arg Gly Leu Val
 50 55 60

 His Leu Ile Leu Ile Arg Ser Asn Glu Arg Glu Lys His Ser Gly Arg
 65 70 75 80

 Leu Arg Val Thr Leu Asp Thr Ser Lys Lys Ser Ser Ser Leu Leu Ile
 85 90 95

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

 Ala Ser Gly Ser Arg Leu Thr Phe Gly Glu Gly Thr Gln Leu Thr Val
 115 120 125

 Asn Pro Asp Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp
 130 135 140

 Ser Lys Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser
 145 150 155 160

 Gln Thr Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp
 165 170 175

 Lys Thr Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala
 180 185 190

 Val Ala Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn
 195 200 205

Asn Ser Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser
 210 215 220

Cys Asp Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu
 225 230 235 240

Asn Phe Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys
 245 250 255

Val Ala Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
 260 265 270

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<400> 7

Ser Gly His Asp Tyr
 1 5

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Phe Asn Asn Asn Val Pro
 1 5

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Cys Ala Ser Ser Tyr Phe Gly Trp Asn Glu Lys Leu Phe Phe
 1 5 10

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

Lys His Thr Asp Ala Gly Val Ile Gln Ser Pro Arg His Glu Val Thr
 20 25 30

Glu Met Gly Gln Glu Val Thr Leu Arg Cys Lys Pro Ile Ser Gly His
35 40 45

Asp Tyr Leu Phe Trp Tyr Arg Gln Thr Met Met Arg Gly Leu Glu Leu
50 55 60

Leu Ile Tyr Phe Asn Asn Asn Val Pro Ile Asp Asp Ser Gly Met Pro
65 70 75 80

Glu Asp Arg Phe Ser Ala Lys Met Pro Asn Ala Ser Phe Ser Thr Leu
85 90 95

Lys Ile Gln Pro Ser Glu Pro Arg Asp Ser Ala Val Tyr Phe Cys Ala
100 105 110

Ser Ser Tyr Phe Gly Trp Asn Glu Lys Leu Phe Phe Gly Ser Gly Thr
115 120 125

Gln Leu Ser Val Leu
130

<210> 11
<211> 177
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<213> Homo sapiens

<400> 11

Glu Asp Leu Asn Lys Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
65 70 75 80

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
85 90 95

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

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
115 120 125

Ala Asp Cys Gly Phe Thr Ser Val Ser Tyr Gln Gln Gly Val Leu Ser
 130 135 140

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
 145 150 155 160

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
 165 170 175

Phe

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<400> 12

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

Lys His Thr Asp Ala Gly Val Ile Gln Ser Pro Arg His Glu Val Thr
 20 25 30

Glu Met Gly Gln Glu Val Thr Leu Arg Cys Lys Pro Ile Ser Gly His
 35 40 45

Asp Tyr Leu Phe Trp Tyr Arg Gln Thr Met Met Arg Gly Leu Glu Leu
 50 55 60

Leu Ile Tyr Phe Asn Asn Asn Val Pro Ile Asp Asp Ser Gly Met Pro
 65 70 75 80

Glu Asp Arg Phe Ser Ala Lys Met Pro Asn Ala Ser Phe Ser Thr Leu
 85 90 95

Lys Ile Gln Pro Ser Glu Pro Arg Asp Ser Ala Val Tyr Phe Cys Ala
 100 105 110

Ser Ser Tyr Phe Gly Trp Asn Glu Lys Leu Phe Phe Gly Ser Gly Thr
 115 120 125

Gln Leu Ser Val Leu Glu Asp Leu Asn Lys Val Phe Pro Pro Glu Val
 130 135 140

Ala Val Phe Glu Pro Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala
 145 150 155 160

Thr Leu Val Cys Leu Ala Thr Gly Phe Phe Pro Asp His Val Glu Leu
165 170 175

Ser Trp Trp Val Asn Gly Lys Glu Val His Ser Gly Val Ser Thr Asp
180 185 190

Pro Gln Pro Leu Lys Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys
195 200 205

Leu Ser Ser Arg Leu Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg
210 215 220

Asn His Phe Arg Cys Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp
225 230 235 240

Glu Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala
245 250 255

Glu Ala Trp Gly Arg Ala Asp Cys Gly Phe Thr Ser Val Ser Tyr Gln
260 265 270

Gln Gly Val Leu Ser Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys
275 280 285

Ala Thr Leu Tyr Ala Val Leu Val Ser Ala Leu Val Leu Met Ala Met
290 295 300

Val Lys Arg Lys Asp Phe
305 310

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<400> 13

Asn Ser Ala Phe Gln Tyr
1 5

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<213> Homo sapiens

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Thr Tyr
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<210> 15
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<213> Homo sapiens

<400> 15

Cys Ala Met Ser Asp Val Ser Gly Gly Tyr Asn Lys Leu Ile Phe
1 5 10 15

<210> 16

<211> 135

<212> PRT

<213> Homo sapiens

<400> 16

Met Met Lys Ser Leu Arg Val Leu Leu Val Ile Leu Trp Leu Gln Leu
1 5 10 15

Ser Trp Val Trp Ser Gln Gln Lys Glu Val Glu Gln Asp Pro Gly Pro
20 25 30

Leu Ser Val Pro Glu Gly Ala Ile Val Ser Leu Asn Cys Thr Tyr Ser
35 40 45

Asn Ser Ala Phe Gln Tyr Phe Met Trp Tyr Arg Gln Tyr Ser Arg Lys
50 55 60

Gly Pro Glu Leu Leu Met Tyr Thr Tyr Ser Ser Gly Asn Lys Glu Asp
65 70 75 80

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

Phe Ile Arg Asp Ser Gln Pro Ser Asp Ser Ala Thr Tyr Leu Cys Ala
100 105 110

Met Ser Asp Val Ser Gly Gly Tyr Asn Lys Leu Ile Phe Gly Ala Gly
115 120 125

Thr Arg Leu Ala Val His Pro
130 135

<210> 17

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<213> Homo sapiens

<400> 17

Tyr Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
 35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
 50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
 65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
 85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
 100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala
 115 120 125

Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
 130 135 140

<210> 18
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 <213> Homo sapiens

<400> 18

Met Met Lys Ser Leu Arg Val Leu Leu Val Ile Leu Trp Leu Gln Leu
 1 5 10 15

Ser Trp Val Trp Ser Gln Gln Lys Glu Val Glu Gln Asp Pro Gly Pro
 20 25 30

Leu Ser Val Pro Glu Gly Ala Ile Val Ser Leu Asn Cys Thr Tyr Ser
 35 40 45

Asn Ser Ala Phe Gln Tyr Phe Met Trp Tyr Arg Gln Tyr Ser Arg Lys
 50 55 60

Gly Pro Glu Leu Leu Met Tyr Thr Tyr Ser Ser Gly Asn Lys Glu Asp
 65 70 75 80

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

Phe Ile Arg Asp Ser Gln Pro Ser Asp Ser Ala Thr Tyr Leu Cys Ala
 100 105 110

Met Ser Asp Val Ser Gly Gly Tyr Asn Lys Leu Ile Phe Gly Ala Gly

<210> 21
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<400> 21

Cys Ala Ser Thr Thr Pro Asp Gly Thr Asp Glu Gln Phe Phe
 1 5 10

<210> 22
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 <213> Homo sapiens

<400> 22

Met Gly Pro Gln Leu Leu Gly Tyr Val Val Leu Cys Leu Leu Gly Ala
 1 5 10 15

Gly Pro Leu Glu Ala Gln Val Thr Gln Asn Pro Arg Tyr Leu Ile Thr
 20 25 30

Val Thr Gly Lys Lys Leu Thr Val Thr Cys Ser Gln Asn Met Asn His
 35 40 45

Glu Tyr Met Ser Trp Tyr Arg Gln Asp Pro Gly Leu Gly Leu Arg Gln
 50 55 60

Ile Tyr Tyr Ser Met Asn Val Glu Val Thr Asp Lys Gly Asp Val Pro
 65 70 75 80

Glu Gly Tyr Lys Val Ser Arg Lys Glu Lys Arg Asn Phe Pro Leu Ile
 85 90 95

Leu Glu Ser Pro Ser Pro Asn Gln Thr Ser Leu Tyr Phe Cys Ala Ser
 100 105 110

Thr Thr Pro Asp Gly Thr Asp Glu Gln Phe Phe Gly Pro Gly Thr Arg
 115 120 125

Leu Thr Val Leu
 130

<210> 23
 <211> 179
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 <213> Homo sapiens

<400> 23

Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
 1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
65 70 75 80

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
85 90 95

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

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
115 120 125

Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln Gly Val Leu Ser
130 135 140

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
145 150 155 160

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
165 170 175

Ser Arg Gly

<210> 24
<211> 311
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<213> Homo sapiens

<400> 24

Met Gly Pro Gln Leu Leu Gly Tyr Val Val Leu Cys Leu Leu Gly Ala
1 5 10 15

Gly Pro Leu Glu Ala Gln Val Thr Gln Asn Pro Arg Tyr Leu Ile Thr
20 25 30

Val Thr Gly Lys Lys Leu Thr Val Thr Cys Ser Gln Asn Met Asn His
35 40 45

Glu Tyr Met Ser Trp Tyr Arg Gln Asp Pro Gly Leu Gly Leu Arg Gln
50 55 60

Ile Tyr Tyr Ser Met Asn Val Glu Val Thr Asp Lys Gly Asp Val Pro
65 70 75 80

Glu Gly Tyr Lys Val Ser Arg Lys Glu Lys Arg Asn Phe Pro Leu Ile
85 90 95

Leu Glu Ser Pro Ser Pro Asn Gln Thr Ser Leu Tyr Phe Cys Ala Ser
100 105 110

Thr Thr Pro Asp Gly Thr Asp Glu Gln Phe Phe Gly Pro Gly Thr Arg
115 120 125

Leu Thr Val Leu Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala
130 135 140

Val Phe Glu Pro Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr
145 150 155 160

Leu Val Cys Leu Ala Thr Gly Phe Tyr Pro Asp His Val Glu Leu Ser
165 170 175

Trp Trp Val Asn Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro
180 185 190

Gln Pro Leu Lys Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu
195 200 205

Ser Ser Arg Leu Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn
210 215 220

His Phe Arg Cys Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu
225 230 235 240

Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu
245 250 255

Ala Trp Gly Arg Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln
260 265 270

Gly Val Leu Ser Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala
275 280 285

Thr Leu Tyr Ala Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val
290 295 300

Lys Arg Lys Asp Ser Arg Gly
305 310

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<400> 25

Val Ser Gly Asn Pro Tyr
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<210> 26
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<400> 26

Tyr Ile Thr Gly
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<210> 27
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 <213> Homo sapiens

<400> 27

Cys Ala Val Arg Asp Met Asn Arg Asp Asp Lys Ile Ile Phe
 1 5 10

<210> 28
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 <213> Homo sapiens

<400> 28

Met Ala Ser Ala Pro Ile Ser Met Leu Ala Met Leu Phe Thr Leu Ser
 1 5 10 15

Gly Leu Arg Ala Gln Ser Val Ala Gln Pro Glu Asp Gln Val Asn Val
 20 25 30

Ala Glu Gly Asn Pro Leu Thr Val Lys Cys Thr Tyr Ser Val Ser Gly
 35 40 45

Asn Pro Tyr Leu Phe Trp Tyr Val Gln Tyr Pro Asn Arg Gly Leu Gln
 50 55 60

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

Gly Phe Glu Ala Glu Phe Asn Lys Ser Gln Thr Ser Phe His Leu Lys
 85 90 95

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

Arg Asp Met Asn Arg Asp Asp Lys Ile Ile Phe Gly Lys Gly Thr Arg
115 120 125

Leu His Ile Leu Pro
130

<210> 29
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<400> 29

Asn Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala
115 120 125

Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
130 135 140

<210> 30
<211> 274
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<213> Homo sapiens

<400> 30

Met Ala Ser Ala Pro Ile Ser Met Leu Ala Met Leu Phe Thr Leu Ser
1 5 10 15

Gly Leu Arg Ala Gln Ser Val Ala Gln Pro Glu Asp Gln Val Asn Val
20 25 30

Ala Glu Gly Asn Pro Leu Thr Val Lys Cys Thr Tyr Ser Val Ser Gly
35 40 45

Asn Pro Tyr Leu Phe Trp Tyr Val Gln Tyr Pro Asn Arg Gly Leu Gln
50 55 60

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

Gly Phe Glu Ala Glu Phe Asn Lys Ser Gln Thr Ser Phe His Leu Lys
85 90 95

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

Arg Asp Met Asn Arg Asp Asp Lys Ile Ile Phe Gly Lys Gly Thr Arg
115 120 125

Leu His Ile Leu Pro Asn Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln
130 135 140

Leu Arg Asp Ser Lys Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp
145 150 155 160

Phe Asp Ser Gln Thr Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr
165 170 175

Ile Thr Asp Lys Thr Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser
180 185 190

Asn Ser Ala Val Ala Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn
195 200 205

Ala Phe Asn Asn Ser Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro
210 215 220

Glu Ser Ser Cys Asp Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp
225 230 235 240

Thr Asn Leu Asn Phe Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu
245 250 255

Leu Leu Lys Val Ala Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp
260 265 270

Ser Ser

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<400> 31

Leu Asn His Asp Ala
1 5

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<400> 32

Ser Gln Ile Val Asn Asp
1 5

<210> 33
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<400> 33

Cys Ala Ser Ser Arg Ala Glu Gly Gly Glu Gln Tyr Phe
1 5 10

<210> 34
<211> 131
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<400> 34

Met Ser Asn Gln Val Leu Cys Cys Val Val Leu Cys Phe Leu Gly Ala
1 5 10 15

Asn Thr Val Asp Gly Gly Ile Thr Gln Ser Pro Lys Tyr Leu Phe Arg
20 25 30

Lys Glu Gly Gln Asn Val Thr Leu Ser Cys Glu Gln Asn Leu Asn His
35 40 45

Asp Ala Met Tyr Trp Tyr Arg Gln Asp Pro Gly Gln Gly Leu Arg Leu
50 55 60

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

Glu Gly Tyr Ser Val Ser Arg Glu Lys Lys Glu Ser Phe Pro Leu Thr

85

90

95

Val Thr Ser Ala Gln Lys Asn Pro Thr Ala Phe Tyr Leu Cys Ala Ser
 100 105 110

Ser Arg Ala Glu Gly Gly Glu Gln Tyr Phe Gly Pro Gly Thr Arg Leu
 115 120 125

Thr Val Thr
 130

<210> 35
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<400> 35

Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
 1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
 20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
 50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
 65 70 75 80

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
 85 90 95

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

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
 115 120 125

Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln Gly Val Leu Ser
 130 135 140

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
 145 150 155 160

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
 165 170 175

Ser Arg Gly

<210> 36
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<400> 36

Met Ser Asn Gln Val Leu Cys Cys Val Val Leu Cys Phe Leu Gly Ala
1 5 10 15

Asn Thr Val Asp Gly Gly Ile Thr Gln Ser Pro Lys Tyr Leu Phe Arg
20 25 30

Lys Glu Gly Gln Asn Val Thr Leu Ser Cys Glu Gln Asn Leu Asn His
35 40 45

Asp Ala Met Tyr Trp Tyr Arg Gln Asp Pro Gly Gln Gly Leu Arg Leu
50 55 60

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

Glu Gly Tyr Ser Val Ser Arg Glu Lys Lys Glu Ser Phe Pro Leu Thr
85 90 95

Val Thr Ser Ala Gln Lys Asn Pro Thr Ala Phe Tyr Leu Cys Ala Ser
100 105 110

Ser Arg Ala Glu Gly Gly Glu Gln Tyr Phe Gly Pro Gly Thr Arg Leu
115 120 125

Thr Val Thr Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala Val
130 135 140

Phe Glu Pro Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu
145 150 155 160

Val Cys Leu Ala Thr Gly Phe Tyr Pro Asp His Val Glu Leu Ser Trp
165 170 175

Trp Val Asn Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln
180 185 190

Pro Leu Lys Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser
195 200 205

Ser Arg Leu Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His

210

215

220

Phe Arg Cys Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu Trp
 225 230 235 240

Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala
 245 250 255

Trp Gly Arg Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln Gly
 260 265 270

Val Leu Ser Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr
 275 280 285

Leu Tyr Ala Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys
 290 295 300

Arg Lys Asp Ser Arg Gly
 305 310

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Asp Ser Ala Ser Asn Tyr
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Ile Arg Ser
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Cys Ala Ala Ser Pro Thr Gly Gly Tyr Asn Lys Leu Ile Phe
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<210> 40
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<400> 40

Met Thr Ser Ile Arg Ala Val Phe Ile Phe Leu Trp Leu Gln Leu Asp
1 5 10 15

Leu Val Asn Gly Glu Asn Val Glu Gln His Pro Ser Thr Leu Ser Val
20 25 30

Gln Glu Gly Asp Ser Ala Val Ile Lys Cys Thr Tyr Ser Asp Ser Ala
35 40 45

Ser Asn Tyr Phe Pro Trp Tyr Lys Gln Glu Leu Gly Lys Arg Pro Gln
50 55 60

Leu Ile Ile Asp Ile Arg Ser Asn Val Gly Glu Lys Lys Asp Gln Arg
65 70 75 80

Ile Ala Val Thr Leu Asn Lys Thr Ala Lys His Phe Ser Leu His Ile
85 90 95

Thr Glu Thr Gln Pro Glu Asp Ser Ala Val Tyr Phe Cys Ala Ala Ser
100 105 110

Pro Thr Gly Gly Tyr Asn Lys Leu Ile Phe Gly Ala Gly Thr Arg Leu
115 120 125

Ala Val His Pro
130

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<400> 41

Tyr Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala
115 120 125

Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
130 135 140

<210> 42
<211> 273
<212> PRT
<213> Homo sapiens

<400> 42

Met Thr Ser Ile Arg Ala Val Phe Ile Phe Leu Trp Leu Gln Leu Asp
1 5 10 15

Leu Val Asn Gly Glu Asn Val Glu Gln His Pro Ser Thr Leu Ser Val
20 25 30

Gln Glu Gly Asp Ser Ala Val Ile Lys Cys Thr Tyr Ser Asp Ser Ala
35 40 45

Ser Asn Tyr Phe Pro Trp Tyr Lys Gln Glu Leu Gly Lys Arg Pro Gln
50 55 60

Leu Ile Ile Asp Ile Arg Ser Asn Val Gly Glu Lys Lys Asp Gln Arg
65 70 75 80

Ile Ala Val Thr Leu Asn Lys Thr Ala Lys His Phe Ser Leu His Ile
85 90 95

Thr Glu Thr Gln Pro Glu Asp Ser Ala Val Tyr Phe Cys Ala Ala Ser
100 105 110

Pro Thr Gly Gly Tyr Asn Lys Leu Ile Phe Gly Ala Gly Thr Arg Leu
115 120 125

Ala Val His Pro Tyr Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu
130 135 140

Arg Asp Ser Lys Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe
145 150 155 160

Asp Ser Gln Thr Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile
165 170 175

Thr Asp Lys Thr Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn
180 185 190

Ser Ala Val Ala Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala
195 200 205

Phe Asn Asn Ser Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu
210 215 220

Ser Ser Cys Asp Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr
225 230 235 240

Asn Leu Asn Phe Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu
245 250 255

Leu Lys Val Ala Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser
260 265 270

Ser

<210> 43
<211> 5
<212> PRT
<213> Homo sapiens

<400> 43

Met Asn His Glu Tyr
1 5

<210> 44
<211> 6
<212> PRT
<213> Homo sapiens

<400> 44

Ser Val Gly Ala Gly Ile
1 5

<210> 45
<211> 14
<212> PRT
<213> Homo sapiens

<400> 45

Cys Ala Ser Ser Leu Gly Gly Ala Ser Gln Glu Gln Tyr Phe
1 5 10

<210> 46
<211> 132

<212> PRT
<213> Homo sapiens

<400> 46

Met Ser Ile Gly Leu Leu Cys Cys Ala Ala Leu Ser Leu Leu Trp Ala
1 5 10 15

Gly Pro Val Asn Ala Gly Val Thr Gln Thr Pro Lys Phe Gln Val Leu
20 25 30

Lys Thr Gly Gln Ser Met Thr Leu Gln Cys Ala Gln Asp Met Asn His
35 40 45

Glu Tyr Met Ser Trp Tyr Arg Gln Asp Pro Gly Met Gly Leu Arg Leu
50 55 60

Ile His Tyr Ser Val Gly Ala Gly Ile Thr Asp Gln Gly Glu Val Pro
65 70 75 80

Asn Gly Tyr Asn Val Ser Arg Ser Thr Thr Glu Asp Phe Pro Leu Arg
85 90 95

Leu Leu Ser Ala Ala Pro Ser Gln Thr Ser Val Tyr Phe Cys Ala Ser
100 105 110

Ser Leu Gly Gly Ala Ser Gln Glu Gln Tyr Phe Gly Pro Gly Thr Arg
115 120 125

Leu Thr Val Thr
130

<210> 47
<211> 179
<212> PRT
<213> Homo sapiens

<400> 47

Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu

65 70 75 80
 Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
 85 90 95
 Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu Trp Thr Gln Asp
 100 105 110
 Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
 115 120 125
 Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln Gly Val Leu Ser
 130 135 140
 Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
 145 150 155 160
 Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
 165 170 175

 Ser Arg Gly

 <210> 48
 <211> 311
 <212> PRT
 <213> Homo sapiens

 <400> 48
 Met Ser Ile Gly Leu Leu Cys Cys Ala Ala Leu Ser Leu Leu Trp Ala
 1 5 10 15
 Gly Pro Val Asn Ala Gly Val Thr Gln Thr Pro Lys Phe Gln Val Leu
 20 25 30
 Lys Thr Gly Gln Ser Met Thr Leu Gln Cys Ala Gln Asp Met Asn His
 35 40 45
 Glu Tyr Met Ser Trp Tyr Arg Gln Asp Pro Gly Met Gly Leu Arg Leu
 50 55 60
 Ile His Tyr Ser Val Gly Ala Gly Ile Thr Asp Gln Gly Glu Val Pro
 65 70 75 80
 Asn Gly Tyr Asn Val Ser Arg Ser Thr Thr Glu Asp Phe Pro Leu Arg
 85 90 95
 Leu Leu Ser Ala Ala Pro Ser Gln Thr Ser Val Tyr Phe Cys Ala Ser
 100 105 110

Ser Leu Gly Gly Ala Ser Gln Glu Gln Tyr Phe Gly Pro Gly Thr Arg
 115 120 125

Leu Thr Val Thr Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala
 130 135 140

Val Phe Glu Pro Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr
 145 150 155 160

Leu Val Cys Leu Ala Thr Gly Phe Tyr Pro Asp His Val Glu Leu Ser
 165 170 175

Trp Trp Val Asn Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro
 180 185 190

Gln Pro Leu Lys Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu
 195 200 205

Ser Ser Arg Leu Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn
 210 215 220

His Phe Arg Cys Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu
 225 230 235 240

Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu
 245 250 255

Ala Trp Gly Arg Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln
 260 265 270

Gly Val Leu Ser Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala
 275 280 285

Thr Leu Tyr Ala Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val
 290 295 300

Lys Arg Lys Asp Ser Arg Gly
 305 310

<210> 49
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 49

Thr Ile Ser Gly Thr Asp Tyr
 1 5

<210> 50

<211> 1
 <212> PRT
 <213> Homo sapiens

<400> 50

Gly
 1

<210> 51
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 51

Cys Ile Leu Phe Asn Phe Asn Lys Phe Tyr Phe
 1 5 10

<210> 52
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 52

Met Lys Leu Val Thr Ser Ile Thr Val Leu Leu Ser Leu Gly Ile Met
 1 5 10 15

Gly Asp Ala Lys Thr Thr Gln Pro Asn Ser Met Glu Ser Asn Glu Glu
 20 25 30

Glu Pro Val His Leu Pro Cys Asn His Ser Thr Ile Ser Gly Thr Asp
 35 40 45

Tyr Ile His Trp Tyr Arg Gln Leu Pro Ser Gln Gly Pro Glu Tyr Val
 50 55 60

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

Ile Ala Glu Asp Arg Lys Ser Ser Thr Leu Ile Leu His Arg Ala Thr
 85 90 95

Leu Arg Asp Ala Ala Val Tyr Tyr Cys Ile Leu Phe Asn Phe Asn Lys
 100 105 110

Phe Tyr Phe Gly Ser Gly Thr Lys Leu Asn Val Lys Pro
 115 120 125

<210> 53
 <211> 141
 <212> PRT
 <213> Homo sapiens

<400> 53

Asn Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala
115 120 125

Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
130 135 140

<210> 54

<211> 266

<212> PRT

<213> Homo sapiens

<400> 54

Met Lys Leu Val Thr Ser Ile Thr Val Leu Leu Ser Leu Gly Ile Met
1 5 10 15

Gly Asp Ala Lys Thr Thr Gln Pro Asn Ser Met Glu Ser Asn Glu Glu
20 25 30

Glu Pro Val His Leu Pro Cys Asn His Ser Thr Ile Ser Gly Thr Asp
35 40 45

Tyr Ile His Trp Tyr Arg Gln Leu Pro Ser Gln Gly Pro Glu Tyr Val
50 55 60

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

Ile Ala Glu Asp Arg Lys Ser Ser Thr Leu Ile Leu His Arg Ala Thr
85 90 95

Leu Arg Asp Ala Ala Val Tyr Tyr Cys Ile Leu Phe Asn Phe Asn Lys
100 105 110

Phe Tyr Phe Gly Ser Gly Thr Lys Leu Asn Val Lys Pro Asn Ile Gln
115 120 125

Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys Ser Ser Asp
130 135 140

Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr Asn Val Ser
145 150 155 160

Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr Val Leu Asp
165 170 175

Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala Trp Ser Asn
180 185 190

Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser Ile Ile Pro
195 200 205

Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp Val Lys Leu
210 215 220

Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe Gln Asn Leu
225 230 235 240

Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala Gly Phe Asn
245 250 255

Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
260 265

<210> 55
<211> 5
<212> PRT
<213> Homo sapiens

<400> 55

Leu Asn His Asn Val
1 5

<210> 56
<211> 6
<212> PRT
<213> Homo sapiens

<400> 56

Tyr Tyr Asp Lys Asp Phe
1 5

<210> 57
<211> 14
<212> PRT
<213> Homo sapiens

<400> 57

Cys Ala Thr Ser Ser Gly Glu Thr Asn Glu Lys Leu Phe Phe
1 5 10

<210> 58
<211> 132
<212> PRT
<213> Homo sapiens

<400> 58

Met Gly Pro Gly Leu Leu His Trp Met Ala Leu Cys Leu Leu Gly Thr
1 5 10 15

Gly His Gly Asp Ala Met Val Ile Gln Asn Pro Arg Tyr Gln Val Thr
20 25 30

Gln Phe Gly Lys Pro Val Thr Leu Ser Cys Ser Gln Thr Leu Asn His
35 40 45

Asn Val Met Tyr Trp Tyr Gln Gln Lys Ser Ser Gln Ala Pro Lys Leu
50 55 60

Leu Phe His Tyr Tyr Asp Lys Asp Phe Asn Asn Glu Ala Asp Thr Pro
65 70 75 80

Asp Asn Phe Gln Ser Arg Arg Pro Asn Thr Ser Phe Cys Phe Leu Asp
85 90 95

Ile Arg Ser Pro Gly Leu Gly Asp Ala Ala Met Tyr Leu Cys Ala Thr
100 105 110

Ser Ser Gly Glu Thr Asn Glu Lys Leu Phe Phe Gly Ser Gly Thr Gln
115 120 125

Leu Ser Val Leu
130

<210> 59
<211> 177
<212> PRT
<213> Homo sapiens

<400> 59

Glu Asp Leu Asn Lys Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
 1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
 20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
 50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
 65 70 75 80

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
 85 90 95

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

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
 115 120 125

Ala Asp Cys Gly Phe Thr Ser Val Ser Tyr Gln Gln Gly Val Leu Ser
 130 135 140

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
 145 150 155 160

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
 165 170 175

Phe

<210> 60
 <211> 309
 <212> PRT
 <213> Homo sapiens

<400> 60

Met Gly Pro Gly Leu Leu His Trp Met Ala Leu Cys Leu Leu Gly Thr
 1 5 10 15

Gly His Gly Asp Ala Met Val Ile Gln Asn Pro Arg Tyr Gln Val Thr
 20 25 30

Gln Phe Gly Lys Pro Val Thr Leu Ser Cys Ser Gln Thr Leu Asn His

35	40	45																	
Asn	Val	Met	Tyr	Trp	Tyr	Gln	Gln	Lys	Ser	Ser	Gln	Ala	Pro	Lys	Leu				
50						55					60								
Leu	Phe	His	Tyr	Tyr	Asp	Lys	Asp	Phe	Asn	Asn	Glu	Ala	Asp	Thr	Pro				
65					70					75					80				
Asp	Asn	Phe	Gln	Ser	Arg	Arg	Pro	Asn	Thr	Ser	Phe	Cys	Phe	Leu	Asp				
				85					90					95					
Ile	Arg	Ser	Pro	Gly	Leu	Gly	Asp	Ala	Ala	Met	Tyr	Leu	Cys	Ala	Thr				
			100					105					110						
Ser	Ser	Gly	Glu	Thr	Asn	Glu	Lys	Leu	Phe	Phe	Gly	Ser	Gly	Thr	Gln				
		115					120					125							
Leu	Ser	Val	Leu	Glu	Asp	Leu	Asn	Lys	Val	Phe	Pro	Pro	Glu	Val	Ala				
	130					135					140								
Val	Phe	Glu	Pro	Ser	Glu	Ala	Glu	Ile	Ser	His	Thr	Gln	Lys	Ala	Thr				
145					150					155					160				
Leu	Val	Cys	Leu	Ala	Thr	Gly	Phe	Phe	Pro	Asp	His	Val	Glu	Leu	Ser				
				165					170					175					
Trp	Trp	Val	Asn	Gly	Lys	Glu	Val	His	Ser	Gly	Val	Ser	Thr	Asp	Pro				
			180					185					190						
Gln	Pro	Leu	Lys	Glu	Gln	Pro	Ala	Leu	Asn	Asp	Ser	Arg	Tyr	Cys	Leu				
		195					200					205							
Ser	Ser	Arg	Leu	Arg	Val	Ser	Ala	Thr	Phe	Trp	Gln	Asn	Pro	Arg	Asn				
	210					215					220								
His	Phe	Arg	Cys	Gln	Val	Gln	Phe	Tyr	Gly	Leu	Ser	Glu	Asn	Asp	Glu				
225					230					235					240				
Trp	Thr	Gln	Asp	Arg	Ala	Lys	Pro	Val	Thr	Gln	Ile	Val	Ser	Ala	Glu				
				245					250					255					
Ala	Trp	Gly	Arg	Ala	Asp	Cys	Gly	Phe	Thr	Ser	Val	Ser	Tyr	Gln	Gln				
			260					265					270						
Gly	Val	Leu	Ser	Ala	Thr	Ile	Leu	Tyr	Glu	Ile	Leu	Leu	Gly	Lys	Ala				
		275					280					285							
Thr	Leu	Tyr	Ala	Val	Leu	Val	Ser	Ala	Leu	Val	Leu	Met	Ala	Met	Val				
	290					295					300								

Lys Arg Lys Asp Phe
305

<210> 61
<211> 7
<212> PRT
<213> Homo sapiens

<400> 61

Thr Ser Glu Ser Asn Tyr Tyr
1 5

<210> 62
<211> 4
<212> PRT
<213> Homo sapiens

<400> 62

Gln Glu Ala Tyr
1

<210> 63
<211> 15
<212> PRT
<213> Homo sapiens

<400> 63

Cys Ala Phe Gly Tyr Ser Gly Gly Gly Ala Asp Gly Leu Thr Phe
1 5 10 15

<210> 64
<211> 136
<212> PRT
<213> Homo sapiens

<400> 64

Met Thr Arg Val Ser Leu Leu Trp Ala Val Val Val Ser Thr Cys Leu
1 5 10 15

Glu Ser Gly Met Ala Gln Thr Val Thr Gln Ser Gln Pro Glu Met Ser
20 25 30

Val Gln Glu Ala Glu Thr Val Thr Leu Ser Cys Thr Tyr Asp Thr Ser
35 40 45

Glu Ser Asn Tyr Tyr Leu Phe Trp Tyr Lys Gln Pro Pro Ser Arg Gln
50 55 60

Met Ile Leu Val Ile Arg Gln Glu Ala Tyr Lys Gln Gln Asn Ala Thr
65 70 75 80

Glu Asn Arg Phe Ser Val Asn Phe Gln Lys Ala Ala Lys Ser Phe Ser
85 90 95

Leu Lys Ile Ser Asp Ser Gln Leu Gly Asp Thr Ala Met Tyr Phe Cys
100 105 110

Ala Phe Gly Tyr Ser Gly Gly Gly Ala Asp Gly Leu Thr Phe Gly Lys
115 120 125

Gly Thr His Leu Ile Ile Gln Pro
130 135

<210> 65
<211> 141
<212> PRT
<213> Homo sapiens

<400> 65

Tyr Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala
115 120 125

Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
130 135 140

<210> 66
<211> 277
<212> PRT
<213> Homo sapiens

<400> 66

Met Thr Arg Val Ser Leu Leu Trp Ala Val Val Val Ser Thr Cys Leu
1 5 10 15

Glu Ser Gly Met Ala Gln Thr Val Thr Gln Ser Gln Pro Glu Met Ser
20 25 30

Val Gln Glu Ala Glu Thr Val Thr Leu Ser Cys Thr Tyr Asp Thr Ser
35 40 45

Glu Ser Asn Tyr Tyr Leu Phe Trp Tyr Lys Gln Pro Pro Ser Arg Gln
50 55 60

Met Ile Leu Val Ile Arg Gln Glu Ala Tyr Lys Gln Gln Asn Ala Thr
65 70 75 80

Glu Asn Arg Phe Ser Val Asn Phe Gln Lys Ala Ala Lys Ser Phe Ser
85 90 95

Leu Lys Ile Ser Asp Ser Gln Leu Gly Asp Thr Ala Met Tyr Phe Cys
100 105 110

Ala Phe Gly Tyr Ser Gly Gly Gly Ala Asp Gly Leu Thr Phe Gly Lys
115 120 125

Gly Thr His Leu Ile Ile Gln Pro Tyr Ile Gln Asn Pro Asp Pro Ala
130 135 140

Val Tyr Gln Leu Arg Asp Ser Lys Ser Ser Asp Lys Ser Val Cys Leu
145 150 155 160

Phe Thr Asp Phe Asp Ser Gln Thr Asn Val Ser Gln Ser Lys Asp Ser
165 170 175

Asp Val Tyr Ile Thr Asp Lys Thr Val Leu Asp Met Arg Ser Met Asp
180 185 190

Phe Lys Ser Asn Ser Ala Val Ala Trp Ser Asn Lys Ser Asp Phe Ala
195 200 205

Cys Ala Asn Ala Phe Asn Asn Ser Ile Ile Pro Glu Asp Thr Phe Phe
210 215 220

Pro Ser Pro Glu Ser Ser Cys Asp Val Lys Leu Val Glu Lys Ser Phe
225 230 235 240

Glu Thr Asp Thr Asn Leu Asn Phe Gln Asn Leu Ser Val Ile Gly Phe
245 250 255

Arg Ile Leu Leu Leu Lys Val Ala Gly Phe Asn Leu Leu Met Thr Leu
260 265 270

Arg Leu Trp Ser Ser
275

<210> 67
<211> 5
<212> PRT
<213> Homo sapiens

<400> 67

Ser Gly His Asp Thr
1 5

<210> 68
<211> 6
<212> PRT
<213> Homo sapiens

<400> 68

Tyr Tyr Glu Glu Glu Glu
1 5

<210> 69
<211> 16
<212> PRT
<213> Homo sapiens

<400> 69

Cys Ala Ser Ser Asn Glu Gly Gln Gly Trp Glu Ala Glu Ala Phe Phe
1 5 10 15

<210> 70
<211> 134
<212> PRT
<213> Homo sapiens

<400> 70

Met Gly Pro Gly Leu Leu Cys Trp Ala Leu Leu Cys Leu Leu Gly Ala
1 5 10 15

Gly Leu Val Asp Ala Gly Val Thr Gln Ser Pro Thr His Leu Ile Lys
20 25 30

Thr Arg Gly Gln Gln Val Thr Leu Arg Cys Ser Pro Lys Ser Gly His
35 40 45

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

Ile Phe Gln Tyr Tyr Glu Glu Glu Glu Arg Gln Arg Gly Asn Phe Pro
65 70 75 80

Asp Arg Phe Ser Gly His Gln Phe Pro Asn Tyr Ser Ser Glu Leu Asn
85 90 95

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

Ser Asn Glu Gly Gln Gly Trp Glu Ala Glu Ala Phe Phe Gly Gln Gly
115 120 125

Thr Arg Leu Thr Val Val
130

<210> 71
<211> 177
<212> PRT
<213> Homo sapiens

<400> 71

Glu Asp Leu Asn Lys Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
65 70 75 80

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
85 90 95

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

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
115 120 125

Ala Asp Cys Gly Phe Thr Ser Val Ser Tyr Gln Gln Gly Val Leu Ser
130 135 140

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
145 150 155 160

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
165 170 175

Phe

<210> 72
<211> 311
<212> PRT
<213> Homo sapiens

<400> 72

Met Gly Pro Gly Leu Leu Cys Trp Ala Leu Leu Cys Leu Leu Gly Ala
1 5 10 15

Gly Leu Val Asp Ala Gly Val Thr Gln Ser Pro Thr His Leu Ile Lys
20 25 30

Thr Arg Gly Gln Gln Val Thr Leu Arg Cys Ser Pro Lys Ser Gly His
35 40 45

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

Ile Phe Gln Tyr Tyr Glu Glu Glu Glu Arg Gln Arg Gly Asn Phe Pro
65 70 75 80

Asp Arg Phe Ser Gly His Gln Phe Pro Asn Tyr Ser Ser Glu Leu Asn
85 90 95

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

Ser Asn Glu Gly Gln Gly Trp Glu Ala Glu Ala Phe Phe Gly Gln Gly
115 120 125

Thr Arg Leu Thr Val Val Glu Asp Leu Asn Lys Val Phe Pro Pro Glu
130 135 140

Val Ala Val Phe Glu Pro Ser Glu Ala Glu Ile Ser His Thr Gln Lys
145 150 155 160

Ala Thr Leu Val Cys Leu Ala Thr Gly Phe Phe Pro Asp His Val Glu
165 170 175

Leu Ser Trp Trp Val Asn Gly Lys Glu Val His Ser Gly Val Ser Thr
180 185 190

Asp Pro Gln Pro Leu Lys Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr
195 200 205

Cys Leu Ser Ser Arg Leu Arg Val Ser Ala Thr Phe Trp Gln Asn Pro
210 215 220

Arg Asn His Phe Arg Cys Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn
225 230 235 240

Asp Glu Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val Ser
245 250 255

Ala Glu Ala Trp Gly Arg Ala Asp Cys Gly Phe Thr Ser Val Ser Tyr
260 265 270

Gln Gln Gly Val Leu Ser Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly
275 280 285

Lys Ala Thr Leu Tyr Ala Val Leu Val Ser Ala Leu Val Leu Met Ala
290 295 300

Met Val Lys Arg Lys Asp Phe
305 310

<210> 73
<211> 5
<212> PRT
<213> Homo sapiens

<400> 73

Asp Ser Val Asn Asn
1 5

<210> 74
<211> 1
<212> PRT
<213> Homo sapiens

<400> 74

Ile
1

<210> 75
<211> 11
<212> PRT
<213> Homo sapiens

<400> 75

Cys Ala Val His Asn Phe Asn Lys Phe Tyr Phe
1 5 10

<210> 76
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 76

Met Lys Arg Ile Leu Gly Ala Leu Leu Gly Leu Leu Ser Ala Gln Val
 1 5 10 15

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

Leu Gln Glu Gly Ala Asn Ser Thr Leu Arg Cys Asn Phe Ser Asp Ser
 35 40 45

Val Asn Asn Leu Gln Trp Phe His Gln Asn Pro Trp Gly Gln Leu Ile
 50 55 60

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

Ala Thr Thr Val Ala Thr Glu Arg Tyr Ser Leu Leu Tyr Ile Ser Ser
 85 90 95

Ser Gln Thr Thr Asp Ser Gly Val Tyr Phe Cys Ala Val His Asn Phe
 100 105 110

Asn Lys Phe Tyr Phe Gly Ser Gly Thr Lys Leu Asn Val Lys Pro
 115 120 125

<210> 77
 <211> 141
 <212> PRT
 <213> Homo sapiens

<400> 77

Asn Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
 1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
 20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
 35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
 50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
 65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala
115 120 125

Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
130 135 140

<210> 78
<211> 268
<212> PRT
<213> Homo sapiens

<400> 78

Met Lys Arg Ile Leu Gly Ala Leu Leu Gly Leu Leu Ser Ala Gln Val
1 5 10 15

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

Leu Gln Glu Gly Ala Asn Ser Thr Leu Arg Cys Asn Phe Ser Asp Ser
35 40 45

Val Asn Asn Leu Gln Trp Phe His Gln Asn Pro Trp Gly Gln Leu Ile
50 55 60

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

Ala Thr Thr Val Ala Thr Glu Arg Tyr Ser Leu Leu Tyr Ile Ser Ser
85 90 95

Ser Gln Thr Thr Asp Ser Gly Val Tyr Phe Cys Ala Val His Asn Phe
100 105 110

Asn Lys Phe Tyr Phe Gly Ser Gly Thr Lys Leu Asn Val Lys Pro Asn
115 120 125

Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys Ser
130 135 140

Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr Asn
145 150 155 160

Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr Val

165

170

175

Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala Trp
 180 185 190

Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser Ile
 195 200 205

Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp Val
 210 215 220

Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe Gln
 225 230 235 240

Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala Gly
 245 250 255

Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
 260 265

<210> 79
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 79

Pro Arg His Asp Thr
 1 5

<210> 80
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 80

Phe Tyr Glu Lys Met Gln
 1 5

<210> 81
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 81

Cys Ala Ser Ser Leu Leu Gly Gln Gly Tyr Asn Glu Gln Phe Phe
 1 5 10 15

<210> 82
 <211> 143
 <212> PRT
 <213> Homo sapiens

<400> 82

Met Leu Ser Pro Asp Leu Pro Asp Ser Ala Trp Asn Thr Arg Leu Leu
1 5 10 15

Cys His Val Met Leu Cys Leu Leu Gly Ala Val Ser Val Ala Ala Gly
20 25 30

Val Ile Gln Ser Pro Arg His Leu Ile Lys Glu Lys Arg Glu Thr Ala
35 40 45

Thr Leu Lys Cys Tyr Pro Ile Pro Arg His Asp Thr Val Tyr Trp Tyr
50 55 60

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

Lys Met Gln Ser Asp Lys Gly Ser Ile Pro Asp Arg Phe Ser Ala Gln
85 90 95

Gln Phe Ser Asp Tyr His Ser Glu Leu Asn Met Ser Ser Leu Glu Leu
100 105 110

Gly Asp Ser Ala Leu Tyr Phe Cys Ala Ser Ser Leu Leu Gly Gln Gly
115 120 125

Tyr Asn Glu Gln Phe Phe Gly Pro Gly Thr Arg Leu Thr Val Leu
130 135 140

<210> 83

<211> 179

<212> PRT

<213> Homo sapiens

<400> 83

Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
65 70 75 80

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
85 90 95

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

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
115 120 125

Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln Gly Val Leu Ser
130 135 140

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
145 150 155 160

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
165 170 175

Ser Arg Gly

<210> 84
<211> 322
<212> PRT
<213> Homo sapiens

<400> 84

Met Leu Ser Pro Asp Leu Pro Asp Ser Ala Trp Asn Thr Arg Leu Leu
1 5 10 15

Cys His Val Met Leu Cys Leu Leu Gly Ala Val Ser Val Ala Ala Gly
20 25 30

Val Ile Gln Ser Pro Arg His Leu Ile Lys Glu Lys Arg Glu Thr Ala
35 40 45

Thr Leu Lys Cys Tyr Pro Ile Pro Arg His Asp Thr Val Tyr Trp Tyr
50 55 60

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

Lys Met Gln Ser Asp Lys Gly Ser Ile Pro Asp Arg Phe Ser Ala Gln
85 90 95

Gln Phe Ser Asp Tyr His Ser Glu Leu Asn Met Ser Ser Leu Glu Leu
100 105 110

Gly Asp Ser Ala Leu Tyr Phe Cys Ala Ser Ser Leu Leu Gly Gln Gly
115 120 125

Tyr Asn Glu Gln Phe Phe Gly Pro Gly Thr Arg Leu Thr Val Leu Glu
 130 135 140

Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro Ser
 145 150 155 160

Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu Ala
 165 170 175

Thr Gly Phe Tyr Pro Asp His Val Glu Leu Ser Trp Trp Val Asn Gly
 180 185 190

Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys Glu
 195 200 205

Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu Arg
 210 215 220

Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys Gln
 225 230 235 240

Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu Trp Thr Gln Asp Arg
 245 250 255

Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg Ala
 260 265 270

Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln Gly Val Leu Ser Ala
 275 280 285

Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala Val
 290 295 300

Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp Ser
 305 310 315 320

Arg Gly

<210> 85
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 85

Thr Arg Asp Thr Thr Tyr Tyr
 1 5

<210> 86
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 86

Arg Asn Ser Phe
 1

<210> 87
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 87

Cys Ala Leu Ser Asn Asn Asn Ala Gly Asn Met Leu Thr Phe
 1 5 10

<210> 88
 <211> 135
 <212> PRT
 <213> Homo sapiens

<400> 88

Met Leu Thr Ala Ser Leu Leu Arg Ala Val Ile Ala Ser Ile Cys Val
 1 5 10 15

Val Ser Ser Met Ala Gln Lys Val Thr Gln Ala Gln Thr Glu Ile Ser
 20 25 30

Val Val Glu Lys Glu Asp Val Thr Leu Asp Cys Val Tyr Glu Thr Arg
 35 40 45

Asp Thr Thr Tyr Tyr Leu Phe Trp Tyr Lys Gln Pro Pro Ser Gly Glu
 50 55 60

Leu Val Phe Leu Ile Arg Arg Asn Ser Phe Asp Glu Gln Asn Glu Ile
 65 70 75 80

Ser Gly Arg Tyr Ser Trp Asn Phe Gln Lys Ser Thr Ser Ser Phe Asn
 85 90 95

Phe Thr Ile Thr Ala Ser Gln Val Val Asp Ser Ala Val Tyr Phe Cys
 100 105 110

Ala Leu Ser Asn Asn Asn Ala Gly Asn Met Leu Thr Phe Gly Gly Gly
 115 120 125

Thr Arg Leu Met Val Lys Pro
 130 135

<210> 89
 <211> 141
 <212> PRT
 <213> Homo sapiens

<400> 89

His Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
 1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
 20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
 35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
 50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
 65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
 85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
 100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala
 115 120 125

Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
 130 135 140

<210> 90
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 90

Met Leu Thr Ala Ser Leu Leu Arg Ala Val Ile Ala Ser Ile Cys Val
 1 5 10 15

Val Ser Ser Met Ala Gln Lys Val Thr Gln Ala Gln Thr Glu Ile Ser
 20 25 30

Val Val Glu Lys Glu Asp Val Thr Leu Asp Cys Val Tyr Glu Thr Arg
 35 40 45

Asp Thr Thr Tyr Tyr Leu Phe Trp Tyr Lys Gln Pro Pro Ser Gly Glu
 50 55 60

Leu Val Phe Leu Ile Arg Arg Asn Ser Phe Asp Glu Gln Asn Glu Ile
65 70 75 80

Ser Gly Arg Tyr Ser Trp Asn Phe Gln Lys Ser Thr Ser Ser Phe Asn
85 90 95

Phe Thr Ile Thr Ala Ser Gln Val Val Asp Ser Ala Val Tyr Phe Cys
100 105 110

Ala Leu Ser Asn Asn Asn Ala Gly Asn Met Leu Thr Phe Gly Gly Gly
115 120 125

Thr Arg Leu Met Val Lys Pro His Ile Gln Asn Pro Asp Pro Ala Val
130 135 140

Tyr Gln Leu Arg Asp Ser Lys Ser Ser Asp Lys Ser Val Cys Leu Phe
145 150 155 160

Thr Asp Phe Asp Ser Gln Thr Asn Val Ser Gln Ser Lys Asp Ser Asp
165 170 175

Val Tyr Ile Thr Asp Lys Thr Val Leu Asp Met Arg Ser Met Asp Phe
180 185 190

Lys Ser Asn Ser Ala Val Ala Trp Ser Asn Lys Ser Asp Phe Ala Cys
195 200 205

Ala Asn Ala Phe Asn Asn Ser Ile Ile Pro Glu Asp Thr Phe Phe Pro
210 215 220

Ser Pro Glu Ser Ser Cys Asp Val Lys Leu Val Glu Lys Ser Phe Glu
225 230 235 240

Thr Asp Thr Asn Leu Asn Phe Gln Asn Leu Ser Val Ile Gly Phe Arg
245 250 255

Ile Leu Leu Leu Lys Val Ala Gly Phe Asn Leu Leu Met Thr Leu Arg
260 265 270

Leu Trp Ser Ser
275

<210> 91
<211> 5
<212> PRT
<213> Homo sapiens

<400> 91

Pro Arg His Asp Thr

1 5

<210> 92
<211> 6
<212> PRT
<213> Homo sapiens

<400> 92

Phe Tyr Glu Lys Met Gln
1 5

<210> 93
<211> 16
<212> PRT
<213> Homo sapiens

<400> 93

Cys Ala Ser Ser Pro Thr Gly Thr Ser Gly Tyr Asn Glu Gln Phe Phe
1 5 10 15

<210> 94
<211> 144
<212> PRT
<213> Homo sapiens

<400> 94

Met Leu Ser Pro Asp Leu Pro Asp Ser Ala Trp Asn Thr Arg Leu Leu
1 5 10 15

Cys His Val Met Leu Cys Leu Leu Gly Ala Val Ser Val Ala Ala Gly
20 25 30

Val Ile Gln Ser Pro Arg His Leu Ile Lys Glu Lys Arg Glu Thr Ala
35 40 45

Thr Leu Lys Cys Tyr Pro Ile Pro Arg His Asp Thr Val Tyr Trp Tyr
50 55 60

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

Lys Met Gln Ser Asp Lys Gly Ser Ile Pro Asp Arg Phe Ser Ala Gln
85 90 95

Gln Phe Ser Asp Tyr His Ser Glu Leu Asn Met Ser Ser Leu Glu Leu
100 105 110

Gly Asp Ser Ala Leu Tyr Phe Cys Ala Ser Ser Pro Thr Gly Thr Ser
115 120 125

Gly Tyr Asn Glu Gln Phe Phe Gly Pro Gly Thr Arg Leu Thr Val Leu

130

135

140

<210> 95
 <211> 179
 <212> PRT
 <213> Homo sapiens

<400> 95

Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
 1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
 20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
 50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
 65 70 75 80

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
 85 90 95

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

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
 115 120 125

Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln Gly Val Leu Ser
 130 135 140

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
 145 150 155 160

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
 165 170 175

Ser Arg Gly

<210> 96
 <211> 323
 <212> PRT
 <213> Homo sapiens

<400> 96

Met Leu Ser Pro Asp Leu Pro Asp Ser Ala Trp Asn Thr Arg Leu Leu
1 5 10 15

Cys His Val Met Leu Cys Leu Leu Gly Ala Val Ser Val Ala Ala Gly
20 25 30

Val Ile Gln Ser Pro Arg His Leu Ile Lys Glu Lys Arg Glu Thr Ala
35 40 45

Thr Leu Lys Cys Tyr Pro Ile Pro Arg His Asp Thr Val Tyr Trp Tyr
50 55 60

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

Lys Met Gln Ser Asp Lys Gly Ser Ile Pro Asp Arg Phe Ser Ala Gln
85 90 95

Gln Phe Ser Asp Tyr His Ser Glu Leu Asn Met Ser Ser Leu Glu Leu
100 105 110

Gly Asp Ser Ala Leu Tyr Phe Cys Ala Ser Ser Pro Thr Gly Thr Ser
115 120 125

Gly Tyr Asn Glu Gln Phe Phe Gly Pro Gly Thr Arg Leu Thr Val Leu
130 135 140

Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
145 150 155 160

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
165 170 175

Ala Thr Gly Phe Tyr Pro Asp His Val Glu Leu Ser Trp Trp Val Asn
180 185 190

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
195 200 205

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
210 215 220

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
225 230 235 240

Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu Trp Thr Gln Asp
245 250 255

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg

260

265

270

Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln Gly Val Leu Ser
 275 280 285

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
 290 295 300

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
 305 310 315 320

Ser Arg Gly

<210> 97
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 97

Ser Ser Asn Phe Tyr Ala
 1 5

<210> 98
 <211> 3
 <212> PRT
 <213> Homo sapiens

<400> 98

Met Thr Leu
 1

<210> 99
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 99

Cys Ala Leu Asn Arg Asp Asp Lys Ile Ile Phe
 1 5 10

<210> 100
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 100

Met Glu Lys Asn Pro Leu Ala Ala Pro Leu Leu Ile Leu Trp Phe His
 1 5 10 15

Leu Asp Cys Val Ser Ser Ile Leu Asn Val Glu Gln Ser Pro Gln Ser
 20 25 30

Leu His Val Gln Glu Gly Asp Ser Thr Asn Phe Thr Cys Ser Phe Pro
35 40 45

Ser Ser Asn Phe Tyr Ala Leu His Trp Tyr Arg Trp Glu Thr Ala Lys
50 55 60

Ser Pro Glu Ala Leu Phe Val Met Thr Leu Asn Gly Asp Glu Lys Lys
65 70 75 80

Lys Gly Arg Ile Ser Ala Thr Leu Asn Thr Lys Glu Gly Tyr Ser Tyr
85 90 95

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

Ala Leu Asn Arg Asp Asp Lys Ile Ile Phe Gly Lys Gly Thr Arg Leu
115 120 125

His Ile Leu Pro
130

<210> 101
<211> 141
<212> PRT
<213> Homo sapiens

<400> 101

Asn Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala
 115 120 125

Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
 130 135 140

<210> 102
 <211> 273
 <212> PRT
 <213> Homo sapiens

<400> 102

Met Glu Lys Asn Pro Leu Ala Ala Pro Leu Leu Ile Leu Trp Phe His
 1 5 10 15

Leu Asp Cys Val Ser Ser Ile Leu Asn Val Glu Gln Ser Pro Gln Ser
 20 25 30

Leu His Val Gln Glu Gly Asp Ser Thr Asn Phe Thr Cys Ser Phe Pro
 35 40 45

Ser Ser Asn Phe Tyr Ala Leu His Trp Tyr Arg Trp Glu Thr Ala Lys
 50 55 60

Ser Pro Glu Ala Leu Phe Val Met Thr Leu Asn Gly Asp Glu Lys Lys
 65 70 75 80

Lys Gly Arg Ile Ser Ala Thr Leu Asn Thr Lys Glu Gly Tyr Ser Tyr
 85 90 95

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

Ala Leu Asn Arg Asp Asp Lys Ile Ile Phe Gly Lys Gly Thr Arg Leu
 115 120 125

His Ile Leu Pro Asn Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu
 130 135 140

Arg Asp Ser Lys Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe
 145 150 155 160

Asp Ser Gln Thr Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile
 165 170 175

Thr Asp Lys Thr Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn
 180 185 190

Ser Ala Val Ala Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala
 195 200 205

Phe Asn Asn Ser Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu
 210 215 220

Ser Ser Cys Asp Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr
 225 230 235 240

Asn Leu Asn Phe Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu
 245 250 255

Leu Lys Val Ala Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser
 260 265 270

Ser

<210> 103
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 103

Met Asp His Glu Asn
 1 5

<210> 104
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 104

Ser Tyr Asp Val Lys Met
 1 5

<210> 105
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 105

Cys Ala Ser Arg Leu Pro Ser Arg Thr Tyr Glu Gln Tyr Phe
 1 5 10

<210> 106
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 106

Met Gly Ile Arg Leu Leu Cys Arg Val Ala Phe Cys Phe Leu Ala Val
 1 5 10 15

Gly Leu Val Asp Val Lys Val Thr Gln Ser Ser Arg Tyr Leu Val Lys
20 25 30

Arg Thr Gly Glu Lys Val Phe Leu Glu Cys Val Gln Asp Met Asp His
35 40 45

Glu Asn Met Phe Trp Tyr Arg Gln Asp Pro Gly Leu Gly Leu Arg Leu
50 55 60

Ile Tyr Phe Ser Tyr Asp Val Lys Met Lys Glu Lys Gly Asp Ile Pro
65 70 75 80

Glu Gly Tyr Ser Val Ser Arg Glu Lys Lys Glu Arg Phe Ser Leu Ile
85 90 95

Leu Glu Ser Ala Ser Thr Asn Gln Thr Ser Met Tyr Leu Cys Ala Ser
100 105 110

Arg Leu Pro Ser Arg Thr Tyr Glu Gln Tyr Phe Gly Pro Gly Thr Arg
115 120 125

Leu Thr Val Thr
130

<210> 107
<211> 179
<212> PRT
<213> Homo sapiens

<400> 107

Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
65 70 75 80

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
85 90 95

Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu Trp Thr Gln Asp

100 105 110
 Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
 115 120 125
 Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln Gly Val Leu Ser
 130 135 140
 Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
 145 150 155 160
 Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
 165 170 175

Ser Arg Gly

<210> 108
 <211> 311
 <212> PRT
 <213> Homo sapiens

<400> 108

Met Gly Ile Arg Leu Leu Cys Arg Val Ala Phe Cys Phe Leu Ala Val
 1 5 10 15
 Gly Leu Val Asp Val Lys Val Thr Gln Ser Ser Arg Tyr Leu Val Lys
 20 25 30
 Arg Thr Gly Glu Lys Val Phe Leu Glu Cys Val Gln Asp Met Asp His
 35 40 45
 Glu Asn Met Phe Trp Tyr Arg Gln Asp Pro Gly Leu Gly Leu Arg Leu
 50 55 60
 Ile Tyr Phe Ser Tyr Asp Val Lys Met Lys Glu Lys Gly Asp Ile Pro
 65 70 75 80
 Glu Gly Tyr Ser Val Ser Arg Glu Lys Lys Glu Arg Phe Ser Leu Ile
 85 90 95
 Leu Glu Ser Ala Ser Thr Asn Gln Thr Ser Met Tyr Leu Cys Ala Ser
 100 105 110
 Arg Leu Pro Ser Arg Thr Tyr Glu Gln Tyr Phe Gly Pro Gly Thr Arg
 115 120 125
 Leu Thr Val Thr Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala
 130 135 140

Val Phe Glu Pro Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr
 145 150 155 160

Leu Val Cys Leu Ala Thr Gly Phe Tyr Pro Asp His Val Glu Leu Ser
 165 170 175

Trp Trp Val Asn Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro
 180 185 190

Gln Pro Leu Lys Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu
 195 200 205

Ser Ser Arg Leu Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn
 210 215 220

His Phe Arg Cys Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu
 225 230 235 240

Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu
 245 250 255

Ala Trp Gly Arg Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln
 260 265 270

Gly Val Leu Ser Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala
 275 280 285

Thr Leu Tyr Ala Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val
 290 295 300

Lys Arg Lys Asp Ser Arg Gly
 305 310

<210> 109
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 109

Asp Ser Ala Ile Tyr Asn
 1 5

<210> 110
 <211> 3
 <212> PRT
 <213> Homo sapiens

<400> 110

Ile Gln Ser
 1

<210> 111
<211> 11
<212> PRT
<213> Homo sapiens

<400> 111

Cys Ala Val Asn Ser Asp Tyr Lys Leu Ser Phe
1 5 10

<210> 112
<211> 129
<212> PRT
<213> Homo sapiens

<400> 112

Met Glu Thr Leu Leu Gly Leu Leu Ile Leu Trp Leu Gln Leu Gln Trp
1 5 10 15

Val Ser Ser Lys Gln Glu Val Thr Gln Ile Pro Ala Ala Leu Ser Val
20 25 30

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

Ile Tyr Asn Leu Gln Trp Phe Arg Gln Asp Pro Gly Lys Gly Leu Thr
50 55 60

Ser Leu Leu Leu Ile Gln Ser Ser Gln Arg Glu Gln Thr Ser Gly Arg
65 70 75 80

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

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

Ser Asp Tyr Lys Leu Ser Phe Gly Ala Gly Thr Thr Val Thr Val Arg
115 120 125

Ala

<210> 113
<211> 141
<212> PRT
<213> Homo sapiens

<400> 113

Asn Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala
115 120 125

Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
130 135 140

<210> 114
<211> 270
<212> PRT
<213> Homo sapiens

<400> 114

Met Glu Thr Leu Leu Gly Leu Leu Ile Leu Trp Leu Gln Leu Gln Trp
1 5 10 15

Val Ser Ser Lys Gln Glu Val Thr Gln Ile Pro Ala Ala Leu Ser Val
20 25 30

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

Ile Tyr Asn Leu Gln Trp Phe Arg Gln Asp Pro Gly Lys Gly Leu Thr
50 55 60

Ser Leu Leu Leu Ile Gln Ser Ser Gln Arg Glu Gln Thr Ser Gly Arg
65 70 75 80

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

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

Ser Asp Tyr Lys Leu Ser Phe Gly Ala Gly Thr Thr Val Thr Val Arg
115 120 125

Ala Asn Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser
130 135 140

Lys Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln
145 150 155 160

Thr Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys
165 170 175

Thr Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val
180 185 190

Ala Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn
195 200 205

Ser Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys
210 215 220

Asp Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn
225 230 235 240

Phe Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val
245 250 255

Ala Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
260 265 270

<210> 115
<211> 5
<212> PRT
<213> Homo sapiens

<400> 115

Pro His Arg Asp Thr
1 5

<210> 116
<211> 6
<212> PRT
<213> Homo sapiens

<400> 116

Phe Tyr Glu Lys Met Gln
1 5

<210> 117
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 117

Cys Ala Ser Ser Leu Gly Leu Gly Thr Gly Asp Tyr Gly Tyr Thr Phe
 1 5 10 15

<210> 118
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 118

Met Leu Ser Pro Asp Leu Pro Asp Ser Ala Trp Asn Thr Arg Leu Leu
 1 5 10 15

Cys His Val Met Leu Cys Leu Leu Gly Ala Val Ser Val Ala Ala Gly
 20 25 30

Val Ile Gln Ser Pro Arg His Leu Ile Lys Glu Lys Arg Glu Thr Ala
 35 40 45

Thr Leu Lys Cys Tyr Pro Ile Pro Arg His Asp Thr Val Tyr Trp Tyr
 50 55 60

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

Lys Met Gln Ser Asp Lys Gly Ser Ile Pro Asp Arg Phe Ser Ala Gln
 85 90 95

Gln Phe Ser Asp Tyr His Ser Glu Leu Asn Met Ser Ser Leu Glu Leu
 100 105 110

Gly Asp Ser Ala Leu Tyr Phe Cys Ala Ser Ser Leu Gly Leu Gly Thr
 115 120 125

Gly Asp Tyr Gly Tyr Thr Phe Gly Ser Gly Thr Arg Leu Thr Val Val
 130 135 140

<210> 119
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 119

Glu Asp Leu Asn Lys Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
 1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
65 70 75 80

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
85 90 95

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

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
115 120 125

Ala Asp Cys Gly Phe Thr Ser Val Ser Tyr Gln Gln Gly Val Leu Ser
130 135 140

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
145 150 155 160

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
165 170 175

Phe

<210> 120
<211> 321
<212> PRT
<213> Homo sapiens

<400> 120

Met Leu Ser Pro Asp Leu Pro Asp Ser Ala Trp Asn Thr Arg Leu Leu
1 5 10 15

Cys His Val Met Leu Cys Leu Leu Gly Ala Val Ser Val Ala Ala Gly
20 25 30

Val Ile Gln Ser Pro Arg His Leu Ile Lys Glu Lys Arg Glu Thr Ala
35 40 45

Thr Leu Lys Cys Tyr Pro Ile Pro Arg His Asp Thr Val Tyr Trp Tyr

50

55

60

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

Lys Met Gln Ser Asp Lys Gly Ser Ile Pro Asp Arg Phe Ser Ala Gln
85 90 95

Gln Phe Ser Asp Tyr His Ser Glu Leu Asn Met Ser Ser Leu Glu Leu
100 105 110

Gly Asp Ser Ala Leu Tyr Phe Cys Ala Ser Ser Leu Gly Leu Gly Thr
115 120 125

Gly Asp Tyr Gly Tyr Thr Phe Gly Ser Gly Thr Arg Leu Thr Val Val
130 135 140

Glu Asp Leu Asn Lys Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
145 150 155 160

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
165 170 175

Ala Thr Gly Phe Phe Pro Asp His Val Glu Leu Ser Trp Trp Val Asn
180 185 190

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
195 200 205

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
210 215 220

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
225 230 235 240

Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu Trp Thr Gln Asp
245 250 255

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
260 265 270

Ala Asp Cys Gly Phe Thr Ser Val Ser Tyr Gln Gln Gly Val Leu Ser
275 280 285

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
290 295 300

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
305 310 315 320

Phe

<210> 121
<211> 6
<212> PRT
<213> Homo sapiens

<400> 121

Asp Ser Ala Ile Tyr Asn
1 5

<210> 122
<211> 3
<212> PRT
<213> Homo sapiens

<400> 122

Ile Gln Ser
1

<210> 123
<211> 15
<212> PRT
<213> Homo sapiens

<400> 123

Cys Ala Val Arg Pro Thr Ser Gly Gly Ser Tyr Ile Pro Thr Phe
1 5 10 15

<210> 124
<211> 133
<212> PRT
<213> Homo sapiens

<400> 124

Met Glu Thr Leu Leu Gly Leu Leu Ile Leu Trp Leu Gln Leu Gln Trp
1 5 10 15

Val Ser Ser Lys Gln Glu Val Thr Gln Ile Pro Ala Ala Leu Ser Val
20 25 30

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

Ile Tyr Asn Leu Gln Trp Phe Arg Gln Asp Pro Gly Lys Gly Leu Thr
50 55 60

Ser Leu Leu Leu Ile Gln Ser Ser Gln Arg Glu Gln Thr Ser Gly Arg
65 70 75 80

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

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

Pro Thr Ser Gly Gly Ser Tyr Ile Pro Thr Phe Gly Arg Gly Thr Ser
115 120 125

Leu Ile Val His Pro
130

<210> 125
<211> 141
<212> PRT
<213> Homo sapiens

<400> 125

Tyr Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln Leu Arg Asp Ser Lys
1 5 10 15

Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp Phe Asp Ser Gln Thr
20 25 30

Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr
35 40 45

Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala
50 55 60

Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser
65 70 75 80

Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro Glu Ser Ser Cys Asp
85 90 95

Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp Thr Asn Leu Asn Phe
100 105 110

Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu Leu Leu Lys Val Ala
115 120 125

Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp Ser Ser
130 135 140

<210> 126
<211> 274
<212> PRT
<213> Homo sapiens

<400> 126

Met Glu Thr Leu Leu Gly Leu Leu Ile Leu Trp Leu Gln Leu Gln Trp
1 5 10 15

Val Ser Ser Lys Gln Glu Val Thr Gln Ile Pro Ala Ala Leu Ser Val
20 25 30

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

Ile Tyr Asn Leu Gln Trp Phe Arg Gln Asp Pro Gly Lys Gly Leu Thr
50 55 60

Ser Leu Leu Leu Ile Gln Ser Ser Gln Arg Glu Gln Thr Ser Gly Arg
65 70 75 80

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

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

Pro Thr Ser Gly Gly Ser Tyr Ile Pro Thr Phe Gly Arg Gly Thr Ser
115 120 125

Leu Ile Val His Pro Tyr Ile Gln Asn Pro Asp Pro Ala Val Tyr Gln
130 135 140

Leu Arg Asp Ser Lys Ser Ser Asp Lys Ser Val Cys Leu Phe Thr Asp
145 150 155 160

Phe Asp Ser Gln Thr Asn Val Ser Gln Ser Lys Asp Ser Asp Val Tyr
165 170 175

Ile Thr Asp Lys Thr Val Leu Asp Met Arg Ser Met Asp Phe Lys Ser
180 185 190

Asn Ser Ala Val Ala Trp Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn
195 200 205

Ala Phe Asn Asn Ser Ile Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro
210 215 220

Glu Ser Ser Cys Asp Val Lys Leu Val Glu Lys Ser Phe Glu Thr Asp
225 230 235 240

Thr Asn Leu Asn Phe Gln Asn Leu Ser Val Ile Gly Phe Arg Ile Leu
245 250 255

Leu Leu Lys Val Ala Gly Phe Asn Leu Leu Met Thr Leu Arg Leu Trp
 260 265 270

Ser Ser

<210> 127
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 127

Met Asn His Glu Tyr
 1 5

<210> 128
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 128

Ser Val Gly Ala Gly Ile
 1 5

<210> 129
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 129

Cys Ala Ser Ser Tyr Val Gly Asn Thr Gly Glu Leu Phe Phe
 1 5 10

<210> 130
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 130

Met Ser Ile Gly Leu Leu Cys Cys Ala Ala Leu Ser Leu Leu Trp Ala
 1 5 10 15

Gly Pro Val Asn Ala Gly Val Thr Gln Thr Pro Lys Phe Gln Val Leu
 20 25 30

Lys Thr Gly Gln Ser Met Thr Leu Gln Cys Ala Gln Asp Met Asn His
 35 40 45

Glu Tyr Met Ser Trp Tyr Arg Gln Asp Pro Gly Met Gly Leu Arg Leu
 50 55 60

Ile His Tyr Ser Val Gly Ala Gly Ile Thr Asp Gln Gly Glu Val Pro
65 70 75 80

Asn Gly Tyr Asn Val Ser Arg Ser Thr Thr Glu Asp Phe Pro Leu Arg
85 90 95

Leu Leu Ser Ala Ala Pro Ser Gln Thr Ser Val Tyr Phe Cys Ala Ser
100 105 110

Ser Tyr Val Gly Asn Thr Gly Glu Leu Phe Phe Gly Glu Gly Ser Arg
115 120 125

Leu Thr Val Leu
130

<210> 131
<211> 179
<212> PRT
<213> Homo sapiens

<400> 131

Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
1 5 10 15

Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys Leu
20 25 30

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

Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln Pro Leu Lys
50 55 60

Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu Ser Ser Arg Leu
65 70 75 80

Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn His Phe Arg Cys
85 90 95

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

Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu Ala Trp Gly Arg
115 120 125

Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln Gly Val Leu Ser
130 135 140

Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala Thr Leu Tyr Ala
145 150 155 160

Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val Lys Arg Lys Asp
165 170 175

Ser Arg Gly

<210> 132
<211> 311
<212> PRT
<213> Homo sapiens

<400> 132

Met Ser Ile Gly Leu Leu Cys Cys Ala Ala Leu Ser Leu Leu Trp Ala
1 5 10 15

Gly Pro Val Asn Ala Gly Val Thr Gln Thr Pro Lys Phe Gln Val Leu
20 25 30

Lys Thr Gly Gln Ser Met Thr Leu Gln Cys Ala Gln Asp Met Asn His
35 40 45

Glu Tyr Met Ser Trp Tyr Arg Gln Asp Pro Gly Met Gly Leu Arg Leu
50 55 60

Ile His Tyr Ser Val Gly Ala Gly Ile Thr Asp Gln Gly Glu Val Pro
65 70 75 80

Asn Gly Tyr Asn Val Ser Arg Ser Thr Thr Glu Asp Phe Pro Leu Arg
85 90 95

Leu Leu Ser Ala Ala Pro Ser Gln Thr Ser Val Tyr Phe Cys Ala Ser
100 105 110

Ser Tyr Val Gly Asn Thr Gly Glu Leu Phe Phe Gly Glu Gly Ser Arg
115 120 125

Leu Thr Val Leu Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala
130 135 140

Val Phe Glu Pro Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr
145 150 155 160

Leu Val Cys Leu Ala Thr Gly Phe Tyr Pro Asp His Val Glu Leu Ser
165 170 175

Trp Trp Val Asn Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro
180 185 190

Gln Pro Leu Lys Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu
195 200 205

Ser Ser Arg Leu Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn
210 215 220

His Phe Arg Cys Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu
225 230 235 240

Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu
245 250 255

Ala Trp Gly Arg Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln
260 265 270

Gly Val Leu Ser Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala
275 280 285

Thr Leu Tyr Ala Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val
290 295 300

Lys Arg Lys Asp Ser Arg Gly
305 310

<210> 133
<211> 9
<212> PRT
<213> Homo sapiens

<400> 133

Lys Val Leu Glu Tyr Val Ile Lys Val
1 5

<210> 134
<211> 9
<212> PRT
<213> Homo sapiens

<400> 134

Ala Val Leu Glu Tyr Val Ile Lys Val
1 5

<210> 135
<211> 9
<212> PRT
<213> Homo sapiens

<400> 135

Lys Ala Leu Glu Tyr Val Ile Lys Val
1 5

<210> 136
<211> 9
<212> PRT
<213> Homo sapiens

<400> 136

Lys Val Ala Glu Tyr Val Ile Lys Val
1 5

<210> 137
<211> 9
<212> PRT
<213> Homo sapiens

<400> 137

Lys Val Leu Ala Tyr Val Ile Lys Val
1 5

<210> 138
<211> 9
<212> PRT
<213> Homo sapiens

<400> 138

Lys Val Leu Glu Ala Val Ile Lys Val
1 5

<210> 139
<211> 9
<212> PRT
<213> Homo sapiens

<400> 139

Lys Val Leu Glu Tyr Ala Ile Lys Val
1 5

<210> 140
<211> 9
<212> PRT
<213> Homo sapiens

<400> 140

Lys Val Leu Glu Tyr Val Ala Lys Val
1 5

<210> 141
<211> 9
<212> PRT
<213> Homo sapiens

<400> 141

Lys Val Leu Glu Tyr Val Ile Ala Val
1 5

<210> 142
<211> 9
<212> PRT
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<400> 142

Lys Val Leu Glu Tyr Val Ile Lys Ala
1 5

<210> 143
<211> 9
<212> PRT
<213> Homo sapiens

<400> 143

Ile Leu Leu Pro Tyr Val Ser Lys Val
1 5

<210> 144
<211> 9
<212> PRT
<213> Homo sapiens

<400> 144

Lys Ala Leu Glu Gly Phe Ile Ala Val
1 5

<210> 145
<211> 9
<212> PRT
<213> Homo sapiens

<400> 145

Lys Leu Leu Glu Lys Val Arg Lys Val
1 5

<210> 146
<211> 9
<212> PRT
<213> Homo sapiens

<400> 146

Lys Leu Thr Glu Tyr Val Asp Lys Val
1 5

<210> 147
<211> 9
<212> PRT
<213> Homo sapiens

<400> 147

Lys Val Leu Glu Arg Val Asn Ala Val
1 5

<210> 148
<211> 9
<212> PRT
<213> Homo sapiens

<400> 148

Lys Val Leu Asn Lys Val Ile Thr Val
1 5

<210> 149
<211> 9
<212> PRT
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<400> 149

Lys Val Gln Glu Gln Val His Lys Val
1 5

<210> 150
<211> 9
<212> PRT
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<400> 150

Leu Leu Leu Pro Asp Val Ile Lys Val
1 5

<210> 151
<211> 9
<212> PRT
<213> Homo sapiens

<400> 151

Asn Val Leu Glu Ile Val Gln Lys Val
1 5

<210> 152
<211> 9
<212> PRT
<213> Homo sapiens

<400> 152

Ser Val Leu Glu Pro Val Ile Ser Val
1 5

<210> 153
<211> 9
<212> PRT
<213> Homo sapiens

<400> 153

Ser Leu Leu Met Trp Ile Thr Gln Val

1

5

<210> 154
<211> 9
<212> PRT
<213> Homo sapiens

<400> 154

Thr Val Leu Glu Tyr Val Ile Lys Val
1 5

<210> 155
<211> 9
<212> PRT
<213> Homo sapiens

<400> 155

Lys Thr Leu Glu Tyr Val Ile Lys Val
1 5

<210> 156
<211> 9
<212> PRT
<213> Homo sapiens

<400> 156

Lys Val Thr Glu Tyr Val Ile Lys Val
1 5

<210> 157
<211> 9
<212> PRT
<213> Homo sapiens

<400> 157

Lys Val Leu Thr Tyr Val Ile Lys Val
1 5

<210> 158
<211> 9
<212> PRT
<213> Homo sapiens

<400> 158

Lys Val Leu Glu Thr Val Ile Lys Val
1 5

<210> 159
<211> 9
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<400> 159

Lys Val Leu Glu Tyr Thr Ile Lys Val
1 5

<210> 160
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<212> PRT
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<400> 160

Lys Val Leu Glu Tyr Val Thr Lys Val
1 5

<210> 161
<211> 9
<212> PRT
<213> Homo sapiens

<400> 161

Lys Val Leu Glu Tyr Val Ile Thr Val
1 5

<210> 162
<211> 9
<212> PRT
<213> Homo sapiens

<400> 162

Lys Val Leu Glu Tyr Val Ile Lys Thr
1 5