

eolf-seql
SEQUENCE LISTING

<110> Genmab A/S

<120> Antibodies Binding AXL

<130> P/0083-W0

<160> 147

<170> PatentIn version 3.5

<210> 1

<211> 116

<212> PRT

<213> homo sapiens

<400> 1

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

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

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

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

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

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

Ala Lys Ile Trp Ile Ala Phe Asp Ile Trp Gly Gln Gly Thr Met Val
100 105 110

Thr Val Ser Ser

eolf-seql

115

<210> 2
 <211> 108
 <212> PRT
 <213> homo sapiens
 <400> 2

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

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 Gln Tyr Gly Ser Ser Pro
 85 90 95

Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 3
 <211> 120
 <212> PRT
 <213> homo sapiens
 <400> 3

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

eolf-seql

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

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

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

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

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

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

Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 4
<211> 107
<212> PRT
<213> homo sapiens

<400> 4

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

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

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

eolf-seql

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

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

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

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

<210> 5
<211> 120
<212> PRT
<213> homo sapiens

<400> 5

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

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

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

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

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

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

Arg Gly Tyr Ser Gly Tyr Val Tyr Asp Ala Phe Asp Phe Trp Gly Gln

eolf-seql

100

105

110

Gly Thr Met Val Thr Val Ser Ser
 115 120

<210> 6
 <211> 107
 <212> PRT
 <213> homo sapiens

<400> 6

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

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

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

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

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

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

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

<210> 7
 <211> 121
 <212> PRT
 <213> homo sapiens

<400> 7

eolf-seql

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

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

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

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

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

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

Ala Lys Pro Gly Phe Ile Met Val Arg Gly Pro Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Ala Leu Val Thr Val Ser Ser
115 120

<210> 8
<211> 121
<212> PRT
<213> homo sapiens

<400> 8

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

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

eolf-seql

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

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

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

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

Ala Lys Pro Gly Phe Ile Leu Val Arg Gly Pro Leu Asp Tyr Trp Gly
 100 105 110

Gln Gly Ala Leu Val Thr Val Ser Ser
 115 120

<210> 9
 <211> 108
 <212> PRT
 <213> homo sapiens

<400> 9

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

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu

eolf-seql																		
65						70						75						80
Pro	Glu	Asp	Phe	Ala	Val	Tyr	Tyr	Cys	Gln	Gln	Tyr	Gly	Ser	Ser	Pro			
				85					90					95				
Tyr	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Leu	Glu	Ile	Lys							
			100				105											
<210> 10																		
<211> 125																		
<212> PRT																		
<213> homo sapiens																		
<400> 10																		
Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly			
1				5				10				15						
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr			
			20				25				30							
Ala	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val			
		35			40			45										
Ser	Asp	Ile	Ser	Val	Ser	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val			
		50				55				60								
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr			
65					70					75					80			
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys			
				85					90				95					
Ala	Lys	Glu	Gly	Tyr	Ile	Trp	Phe	Gly	Glu	Ser	Leu	Ser	Tyr	Ala	Phe			
			100				105				110							
Asp	Ile	Trp	Gly	Gln	Gly	Thr	Met	Val	Thr	Val	Ser	Ser						
		115				120				125								

eolf-seql

<210> 11
 <211> 107
 <212> PRT
 <213> homo sapiens

<400> 11

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

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 Gln Tyr Gly Arg Ser Phe
 85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
 100 105

<210> 12
 <211> 125
 <212> PRT
 <213> homo sapiens

<400> 12

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

eolf-seq1

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

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

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

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

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

Ala Lys Glu Gly Tyr Ile Trp Phe Gly Glu Ser Leu Ser Tyr Ala Phe
100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120 125

<210> 13
<211> 107
<212> PRT
<213> homo sapiens

<400> 13

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 Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser

eolf-seql

50

55

60

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 Gln Tyr Gly Arg Ser Phe
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
100 105

<210> 14
<211> 125
<212> PRT
<213> homo sapiens

<400> 14

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

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

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

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

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

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

Ala Lys Glu Gly Tyr Ile Trp Phe Gly Glu Ser Leu Ser Tyr Ala Phe
100 105 110

eolf-seql

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
 115 120 125

<210> 15
 <211> 107
 <212> PRT
 <213> homo sapiens

<400> 15

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

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 Gln Tyr Gly Arg Ser Phe
 85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
 100 105

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

<400> 16

eolf-seql

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

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

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 17
<211> 117
<212> PRT
<213> homo sapiens

<400> 17

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

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

Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile

eolf-seql

35

40

45

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

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

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

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

Val Thr Val Ser Ser
115

<210> 18
<211> 107
<212> PRT
<213> homo sapiens

<400> 18

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

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

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

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

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

eolf-seql

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

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

<210> 19
<211> 123
<212> PRT
<213> homo sapiens

<400> 19

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

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

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

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

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

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

Ser Phe Ile Thr Met Ile Arg Gly Thr Ile Ile Thr His Phe Asp Tyr
100 105 110

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

eolf-seql

<210> 20
 <211> 107
 <212> PRT
 <213> homo sapiens

<400> 20

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

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

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

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

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

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

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

<210> 21
 <211> 124
 <212> PRT
 <213> homo sapiens

<400> 21

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr

eolf-seql

20

25

30

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

Gly Arg Ile Ile Pro Ile Phe Gly Ile Ala Asn Tyr Val Gln Lys Phe
50 55 60

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

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

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

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 22
<211> 107
<212> PRT
<213> homo sapiens

<400> 22

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

eolf-seql

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 Gln Tyr Gly Ser Ser Tyr
85 90 95

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

<210> 23
<211> 124
<212> PRT
<213> homo sapiens

<400> 23

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

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

Gly Arg Ile Ile Pro Ile Phe Gly Ile Ala Asn Tyr Val Gln Lys Phe
50 55 60

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

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

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

eolf-seql

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 24
<211> 107
<212> PRT
<213> homo sapiens

<400> 24

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

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 Gln Tyr Gly Ser Ser Tyr
85 90 95

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

<210> 25
<211> 124
<212> PRT
<213> homo sapiens

<400> 25

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser

eolf-seql

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

<210> 26
 <211> 107
 <212> PRT
 <213> homo sapiens

<400> 26

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	

eolf-seql

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

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 Gln Tyr Gly Ser Ser Tyr
85 90 95

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

<210> 27
<211> 124
<212> PRT
<213> homo sapiens

<400> 27

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

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

Gly Arg Ile Ile Pro Ile Phe Gly Ile Val Asn Tyr Ala Gln Lys Phe
50 55 60

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

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

eolf-seql

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

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
 115 120

<210> 28
 <211> 106
 <212> PRT
 <213> homo sapiens

<400> 28

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

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

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

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

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

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

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

<210> 29
 <211> 124
 <212> PRT
 <213> homo sapiens

eolf-seql

<400> 29

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

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

Gly Arg Ile Ile Pro Ile Phe Gly Ile Ala Asn Tyr Ala Gln Lys Phe
50 55 60

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

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

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

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 30

<211> 107

<212> PRT

<213> homo sapiens

<400> 30

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

eolf-seql

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

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

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 Gln Tyr Gly Ser Ser Tyr
85 90 95

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

<210> 31
<211> 123
<212> PRT
<213> homo sapiens

<400> 31

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

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

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

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

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

eolf-seql

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

Arg Phe Ile Thr Met Ile Arg Gly Ala Ile Ile Thr His Phe Asp Tyr
100 105 110

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

<210> 32
<211> 123
<212> PRT
<213> homo sapiens

<400> 32

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

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

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

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

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

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

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

eolf-seql

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

<210> 33
<211> 107
<212> PRT
<213> homo sapiens

<400> 33

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

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

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

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

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

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

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

<210> 34
<211> 120
<212> PRT
<213> homo sapiens

<400> 34

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

eolf-seql

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

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

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

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

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

Ala Arg Gly Arg Lys Leu Gly Ile Asp Ala Phe Asp Ile Trp Gly Gln
100 105 110

Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 35
<211> 107
<212> PRT
<213> homo sapiens

<400> 35

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

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

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

eolf-seql

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

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

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

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
100 105

<210> 36
<211> 8
<212> PRT
<213> homo sapiens

<400> 36

Gly Phe Thr Phe Ser Ser Tyr Ala
1 5

<210> 37
<211> 8
<212> PRT
<213> homo sapiens

<400> 37

Thr Ser Gly Ser Gly Ala Ser Thr
1 5

<210> 38
<211> 9
<212> PRT
<213> homo sapiens

<400> 38

Ala Lys Ile Trp Ile Ala Phe Asp Ile
1 5

eolf-seql

<210> 39
<211> 7
<212> PRT
<213> homo sapiens

<400> 39

Gln Ser Val Ser Ser Ser Tyr
1 5

<210> 40
<211> 9
<212> PRT
<213> homo sapiens

<400> 40

Gln Gln Tyr Gly Ser Ser Pro Tyr Thr
1 5

<210> 41
<211> 8
<212> PRT
<213> homo sapiens

<400> 41

Gly Phe Thr Phe Ser Ser Tyr Ala
1 5

<210> 42
<211> 8
<212> PRT
<213> homo sapiens

<400> 42

Ile Ser Ile Ser Gly Ala Ser Thr
1 5

<210> 43
<211> 13

eolf-seql

<212> PRT

<213> homo sapiens

<400> 43

Arg Gly Tyr Ser Gly Tyr Val Tyr Asp Ala Phe Asp Ile
1 5 10

<210> 44

<211> 6

<212> PRT

<213> homo sapiens

<400> 44

Gln Gly Ile Ser Asn Trp
1 5

<210> 45

<211> 9

<212> PRT

<213> homo sapiens

<400> 45

Gln Gln Tyr Asn Ser Tyr Pro Leu Thr
1 5

<210> 46

<211> 8

<212> PRT

<213> homo sapiens

<400> 46

Gly Phe Thr Phe Ser Ser Tyr Ala
1 5

<210> 47

<211> 8

<212> PRT

<213> homo sapiens

<400> 47

eolf-seql

Ile Ser Ile Ser Gly Gly Ser Thr
1 5

<210> 48
<211> 13
<212> PRT
<213> homo sapiens

<400> 48

Arg Gly Tyr Ser Gly Tyr Val Tyr Asp Ala Phe Asp Phe
1 5 10

<210> 49
<211> 6
<212> PRT
<213> homo sapiens

<400> 49

Gln Gly Ile Ser Asn Trp
1 5

<210> 50
<211> 9
<212> PRT
<213> homo sapiens

<400> 50

Gln Gln Tyr Asn Ser Tyr Pro Leu Thr
1 5

<210> 51
<211> 8
<212> PRT
<213> homo sapiens

<400> 51

Gly Phe Thr Phe Ser Ser Tyr Ala
1 5

eolf-seql

<210> 52
<211> 8
<212> PRT
<213> homo sapiens

<400> 52

Ile Ser Ile Gly Gly Gly Asn Ala
1 5

<210> 53
<211> 14
<212> PRT
<213> homo sapiens

<400> 53

Ala Lys Pro Gly Phe Ile Met Val Arg Gly Pro Leu Asp Tyr
1 5 10

<210> 54
<211> 14
<212> PRT
<213> homo sapiens

<400> 54

Ala Lys Pro Gly Phe Ile Leu Val Arg Gly Pro Leu Asp Tyr
1 5 10

<210> 55
<211> 7
<212> PRT
<213> homo sapiens

<400> 55

Gln Ser Val Ser Asn Ser Tyr
1 5

<210> 56
<211> 9
<212> PRT

eolf-seql

<213> homo sapiens

<400> 56

Gln Gln Tyr Gly Ser Ser Pro Tyr Thr
1 5

<210> 57

<211> 8

<212> PRT

<213> homo sapiens

<400> 57

Gly Phe Thr Phe Ser Ser Tyr Ala
1 5

<210> 58

<211> 8

<212> PRT

<213> homo sapiens

<400> 58

Ile Ser Val Ser Gly Gly Ser Thr
1 5

<210> 59

<211> 18

<212> PRT

<213> homo sapiens

<400> 59

Ala Lys Glu Gly Tyr Ile Trp Phe Gly Glu Ser Leu Ser Tyr Ala Phe
1 5 10 15

Asp Ile

<210> 60

<211> 7

<212> PRT

eolf-seql

<213> homo sapiens

<400> 60

Gln Ser Val Ser Ser Ser Tyr
1 5

<210> 61

<211> 8

<212> PRT

<213> homo sapiens

<400> 61

Gln Gln Tyr Gly Arg Ser Phe Thr
1 5

<210> 62

<211> 8

<212> PRT

<213> homo sapiens

<400> 62

Gly Phe Thr Phe Ser Asn Tyr Ala
1 5

<210> 63

<211> 8

<212> PRT

<213> homo sapiens

<400> 63

Ile Ser Val Ser Gly Gly Ser Thr
1 5

<210> 64

<211> 18

<212> PRT

<213> homo sapiens

<400> 64

eolf-seql

Ala Lys Glu Gly Tyr Ile Trp Phe Gly Glu Ser Leu Ser Tyr Ala Phe
 1 5 10 15

Asp Ile

<210> 65
 <211> 7
 <212> PRT
 <213> homo sapiens

<400> 65

Gln Ser Val Ser Ser Ser Tyr
 1 5

<210> 66
 <211> 8
 <212> PRT
 <213> homo sapiens

<400> 66

Gln Gln Tyr Gly Arg Ser Phe Thr
 1 5

<210> 67
 <211> 8
 <212> PRT
 <213> homo sapiens

<400> 67

Gly Phe Thr Phe Ser Ser Tyr Ala
 1 5

<210> 68
 <211> 8
 <212> PRT
 <213> homo sapiens

<400> 68

eolf-seql

Ile Ser Val Ser Gly Gly Ser Thr
1 5

<210> 69
<211> 18
<212> PRT
<213> homo sapiens

<400> 69

Ala Lys Glu Gly Tyr Ile Trp Phe Gly Glu Ser Leu Ser Tyr Ala Phe
1 5 10 15

Asp Ile

<210> 70
<211> 7
<212> PRT
<213> homo sapiens

<400> 70

Gln Ser Val Ser Ser Ser Tyr
1 5

<210> 71
<211> 8
<212> PRT
<213> homo sapiens

<400> 71

Gln Gln Tyr Gly Arg Ser Phe Thr
1 5

<210> 72
<211> 8
<212> PRT
<213> homo sapiens

<400> 72

eolf-seql

Gly Gly Ser Phe Ser Gly Tyr Tyr
1 5

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

<400> 73

Ile Asn Gln Ser Gly
1 5

<210> 74
<211> 7
<212> PRT
<213> homo sapiens

<400> 74

Ile Gln Gln Ser Gly Ser Thr
1 5

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

<400> 75

Ala Ser Gly Asn Trp Asp His Phe Phe Asp Tyr
1 5 10

<210> 76
<211> 6
<212> PRT
<213> homo sapiens

<400> 76

Gln Gly Ile Ser Ser Trp
1 5

eolf-seql

<210> 77
 <211> 9
 <212> PRT
 <213> homo sapiens

<400> 77

Gln Gln Ala Lys Ser Phe Pro Trp Thr
 1 5

<210> 78
 <211> 8
 <212> PRT
 <213> homo sapiens

<400> 78

Gly Gly Ser Phe Ser Gly Tyr His
 1 5

<210> 79
 <211> 7
 <212> PRT
 <213> homo sapiens

<400> 79

Ile Ser His Ser Gly Arg Thr
 1 5

<210> 80
 <211> 17
 <212> PRT
 <213> homo sapiens

<400> 80

Ala Ser Phe Ile Thr Met Ile Arg Gly Thr Ile Ile Thr His Phe Asp
 1 5 10 15

Tyr

eolf-seql

<210> 81
 <211> 6
 <212> PRT
 <213> homo sapiens

<400> 81

Gln Gly Ile Ser Ser Trp
 1 5

<210> 82
 <211> 9
 <212> PRT
 <213> homo sapiens

<400> 82

Gln Gln Tyr His Ser Tyr Pro Tyr Thr
 1 5

<210> 83
 <211> 8
 <212> PRT
 <213> homo sapiens

<400> 83

Gly Gly Thr Phe Ser Ser Tyr Ala
 1 5

<210> 84
 <211> 8
 <212> PRT
 <213> homo sapiens

<400> 84

Ile Ile Pro Ile Phe Gly Ile Ala
 1 5

<210> 85
 <211> 17
 <212> PRT
 <213> homo sapiens

eolf-seql

<400> 85

Ala Arg Arg Gly Asp Tyr Tyr Gly Ser Gly Ser Pro Asp Val Phe Asp
1 5 10 15

Ile

<210> 86

<211> 7

<212> PRT

<213> homo sapiens

<400> 86

Gln Ser Val Ser Ser Ser Tyr
1 5

<210> 87

<211> 8

<212> PRT

<213> homo sapiens

<400> 87

Gln Gln Tyr Gly Ser Ser Tyr Thr
1 5

<210> 88

<211> 8

<212> PRT

<213> homo sapiens

<400> 88

Gly Gly Thr Phe Ser Ser Tyr Ala
1 5

<210> 89

<211> 8

<212> PRT

<213> homo sapiens

eolf-seql

<400> 89

Ile Ile Pro Ile Phe Gly Ile Ala
1 5

<210> 90

<211> 17

<212> PRT

<213> homo sapiens

<400> 90

Ala Arg Arg Gly Asn Tyr Tyr Gly Ser Gly Ser Pro Asp Val Phe Asp
1 5 10 15

Ile

<210> 91

<211> 7

<212> PRT

<213> homo sapiens

<400> 91

Gln Ser Val Ser Ser Ser Tyr
1 5

<210> 92

<211> 8

<212> PRT

<213> homo sapiens

<400> 92

Gln Gln Tyr Gly Ser Ser Tyr Thr
1 5

<210> 93

<211> 8

<212> PRT

<213> homo sapiens

eolf-seql

<400> 93

Gly Gly Thr Phe Ser Ser Tyr Ala
1 5

<210> 94

<211> 8

<212> PRT

<213> homo sapiens

<400> 94

Ile Ile Pro Ile Phe Gly Ile Val
1 5

<210> 95

<211> 17

<212> PRT

<213> homo sapiens

<400> 95

Ala Arg Arg Gly Asn Tyr Tyr Gly Ser Gly Ser Pro Asp Val Phe Asp
1 5 10 15

Ile

<210> 96

<211> 7

<212> PRT

<213> homo sapiens

<400> 96

Gln Ser Val Ser Ser Ser Tyr
1 5

<210> 97

<211> 8

<212> PRT

<213> homo sapiens

eolf-seql

<400> 97

Gln Gln Tyr Gly Ser Ser Tyr Thr
1 5

<210> 98

<211> 8

<212> PRT

<213> homo sapiens

<400> 98

Gly Gly Thr Phe Ser Ser Tyr Ala
1 5

<210> 99

<211> 8

<212> PRT

<213> homo sapiens

<400> 99

Ile Ile Pro Ile Phe Gly Ile Val
1 5

<210> 100

<211> 17

<212> PRT

<213> homo sapiens

<400> 100

Ala Arg Arg Gly Asn Tyr Tyr Gly Ser Gly Ser Pro Asp Val Phe Asp
1 5 10 15

Ile

<210> 101

<211> 6

<212> PRT

<213> homo sapiens

eolf-seql

<400> 101

Gln Ser Val Ser Ser Tyr
1 5

<210> 102

<211> 8

<212> PRT

<213> homo sapiens

<400> 102

Gln Gln Arg Ser Asn Trp Leu Thr
1 5

<210> 103

<211> 8

<212> PRT

<213> homo sapiens

<400> 103

Gly Gly Thr Phe Ser Ser Tyr Ala
1 5

<210> 104

<211> 8

<212> PRT

<213> homo sapiens

<400> 104

Ile Ile Pro Ile Phe Gly Ile Ala
1 5

<210> 105

<211> 18

<212> PRT

<213> homo sapiens

<400> 105

Ala Arg Arg Gly Asn Tyr Tyr Gly Ser Gly Ser Pro Asp Val Phe Asp

		eolf-seql	
1	5	10	15

Ile Ser

<210> 106
 <211> 7
 <212> PRT
 <213> homo sapiens

<400> 106

Gln Ser Val Ser Ser Ser Tyr
 1 5

<210> 107
 <211> 8
 <212> PRT
 <213> homo sapiens

<400> 107

Gln Gln Tyr Gly Ser Ser Tyr Thr
 1 5

<210> 108
 <211> 8
 <212> PRT
 <213> homo sapiens

<400> 108

Gly Gly Ser Phe Ser Gly Tyr Tyr
 1 5

<210> 109
 <211> 7
 <212> PRT
 <213> homo sapiens

<400> 109

Ile Ser His Ser Gly Arg Thr

eolf-seql

1 5

<210> 110
 <211> 17
 <212> PRT
 <213> homo sapiens

<400> 110

Ala Arg Phe Ile Thr Met Ile Arg Gly Ala Ile Ile Thr His Phe Asp
 1 5 10 15

Tyr

<210> 111
 <211> 17
 <212> PRT
 <213> homo sapiens

<400> 111

Ala Arg Phe Ile Thr Leu Ile Arg Gly Ala Ile Ile Thr His Phe Asp
 1 5 10 15

Tyr

<210> 112
 <211> 6
 <212> PRT
 <213> homo sapiens

<400> 112

Gln Gly Ile Ser Ser Trp
 1 5

<210> 113
 <211> 9
 <212> PRT
 <213> homo sapiens

eolf-seql

<400> 113

Gln Gln Tyr His Ser Tyr Pro Tyr Thr
1 5

<210> 114

<211> 8

<212> PRT

<213> homo sapiens

<400> 114

Gly Phe Ser Phe Ser Thr Tyr Ala
1 5

<210> 115

<211> 8

<212> PRT

<213> homo sapiens

<400> 115

Ile Ser Tyr Asp Gly Asp Asn Lys
1 5

<210> 116

<211> 13

<212> PRT

<213> homo sapiens

<400> 116

Ala Arg Gly Arg Lys Leu Gly Ile Asp Ala Phe Asp Ile
1 5 10

<210> 117

<211> 6

<212> PRT

<213> homo sapiens

<400> 117

Gln Gly Ile Ser Ser Ala

eolf-seql

1 5

<210> 118
 <211> 9
 <212> PRT
 <213> homo sapiens

<400> 118

Gln Gln Phe Asn Ser Tyr Pro Phe Thr
 1 5

<210> 119
 <211> 8
 <212> PRT
 <213> homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (6)..(6)
 <223> Wherein X is A or G

<400> 119

Ile Ser Ile Ser Gly Xaa Ser Thr
 1 5

<210> 120
 <211> 13
 <212> PRT
 <213> homo sapiens

<220>
 <221> Misc
 <222> (13)..(13)
 <223> Wherein X is I of F

<400> 120

Arg Gly Tyr Ser Gly Tyr Val Tyr Asp Ala Phe Asp Xaa
 1 5 10

eolf-seql

<210> 121
 <211> 8
 <212> PRT
 <213> homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (8)..(8)
 <223> Wherein X is I or F

<400> 121

Gly Gly Ser Phe Ser Gly Tyr Xaa
 1 5

<210> 122
 <211> 17
 <212> PRT
 <213> homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (2)..(2)
 <223> Wherein X is S or R

<220>
 <221> MISC_FEATURE
 <222> (10)..(10)
 <223> Wherein X is T or A

<400> 122

Ala Xaa Phe Ile Thr Met Ile Arg Gly Xaa Ile Ile Thr His Phe Asp
 1 5 10 15

Tyr

<210> 123
 <211> 8
 <212> PRT
 <213> homo sapiens

eolf-seql

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Wherein X is S or N

<400> 123

Gly Phe Thr Phe Ser Xaa Tyr Ala
1 5

<210> 124
<211> 8
<212> PRT
<213> homo sapiens

<400> 124

Ile Ser Val Ser Gly Gly Ser Thr
1 5

<210> 125
<211> 18
<212> PRT
<213> homo sapiens

<400> 125

Ala Lys Glu Gly Tyr Ile Trp Phe Gly Glu Ser Leu Ser Tyr Ala Phe
1 5 10 15

Asp Ile

<210> 126
<211> 8
<212> PRT
<213> homo sapiens

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> Wherein X is A or V

eolf-seql

<400> 126

Ile Ile Pro Ile Phe Gly Ile Xaa
1 5

<210> 127

<211> 17

<212> PRT

<213> homo sapiens

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> Wherein X is D or N

<400> 127

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

Ile

<210> 128

<211> 7

<212> PRT

<213> homo sapiens

<220>

<221> MISC_FEATURE

<222> (4)..(4)

<223> Wherein X is S or deleted

<400> 128

Gln Ser Val Xaa Ser Ser Tyr
1 5

<210> 129

<211> 8

<212> PRT

<213> homo sapiens

<220>

<221> MISC_FEATURE

<222> (3)..(3)

<223> Wherein X is R or Y

<220>

<221> MISC_FEATURE

<222> (4)..(4)

<223> Wherein X is Sor G

<220>

<221> MISC_FEATURE

<222> (4)..(4)

<223> Wherein X is Sor G

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> Wherein X is N or S

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> Wherein X is W or S

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> Wherein X is W or S

<220>

<221> MISC_FEATURE

<222> (7)..(7)

<223> Wherein X is L or Y

<400> 129

Gln Gln Xaa Xaa Xaa Xaa Xaa Thr

1

5

<210> 130

<211> 894

<212> PRT

<213> homo sapiens

eolf-seql

<400> 130

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

Leu Ala Leu Cys Gly Trp Ala Cys Met Ala Pro Arg Gly Thr Gln Ala
20 25 30

Glu Glu Ser Pro Phe Val Gly Asn Pro Gly Asn Ile Thr Gly Ala Arg
35 40 45

Gly Leu Thr Gly Thr Leu Arg Cys Gln Leu Gln Val Gln Gly Glu Pro
50 55 60

Pro Glu Val His Trp Leu Arg Asp Gly Gln Ile Leu Glu Leu Ala Asp
65 70 75 80

Ser Thr Gln Thr Gln Val Pro Leu Gly Glu Asp Glu Gln Asp Asp Trp
85 90 95

Ile Val Val Ser Gln Leu Arg Ile Thr Ser Leu Gln Leu Ser Asp Thr
100 105 110

Gly Gln Tyr Gln Cys Leu Val Phe Leu Gly His Gln Thr Phe Val Ser
115 120 125

Gln Pro Gly Tyr Val Gly Leu Glu Gly Leu Pro Tyr Phe Leu Glu Glu
130 135 140

Pro Glu Asp Arg Thr Val Ala Ala Asn Thr Pro Phe Asn Leu Ser Cys
145 150 155 160

Gln Ala Gln Gly Pro Pro Glu Pro Val Asp Leu Leu Trp Leu Gln Asp
165 170 175

Ala Val Pro Leu Ala Thr Ala Pro Gly His Gly Pro Gln Arg Ser Leu

eolf-seql

180

185

190

His Val Pro Gly Leu Asn Lys Thr Ser Ser Phe Ser Cys Glu Ala His
 195 200 205

Asn Ala Lys Gly Val Thr Thr Ser Arg Thr Ala Thr Ile Thr Val Leu
 210 215 220

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

Leu Glu Val Ala Trp Thr Pro Gly Leu Ser Gly Ile Tyr Pro Leu Thr
 245 250 255

His Cys Thr Leu Gln Ala Val Leu Ser Asp Asp Gly Met Gly Ile Gln
 260 265 270

Ala Gly Glu Pro Asp Pro Pro Glu Glu Pro Leu Thr Ser Gln Ala Ser
 275 280 285

Val Pro Pro His Gln Leu Arg Leu Gly Ser Leu His Pro His Thr Pro
 290 295 300

Tyr His Ile Arg Val Ala Cys Thr Ser Ser Gln Gly Pro Ser Ser Trp
 305 310 315 320

Thr His Trp Leu Pro Val Glu Thr Pro Glu Gly Val Pro Leu Gly Pro
 325 330 335

Pro Glu Asn Ile Ser Ala Thr Arg Asn Gly Ser Gln Ala Phe Val His
 340 345 350

Trp Gln Glu Pro Arg Ala Pro Leu Gln Gly Thr Leu Leu Gly Tyr Arg
 355 360 365

Leu Ala Tyr Gln Gly Gln Asp Thr Pro Glu Val Leu Met Asp Ile Gly

eolf-seql

370

375

380

Leu Arg Gln Glu Val Thr Leu Glu Leu Gln Gly Asp Gly Ser Val Ser
 385 390 395 400

Asn Leu Thr Val Cys Val Ala Ala Tyr Thr Ala Ala Gly Asp Gly Pro
 405 410 415

Trp Ser Leu Pro Val Pro Leu Glu Ala Trp Arg Pro Gly Gln Ala Gln
 420 425 430

Pro Val His Gln Leu Val Lys Glu Pro Ser Thr Pro Ala Phe Ser Trp
 435 440 445

Pro Trp Trp Tyr Val Leu Leu Gly Ala Val Val Ala Ala Ala Cys Val
 450 455 460

Leu Ile Leu Ala Leu Phe Leu Val His Arg Arg Lys Lys Glu Thr Arg
 465 470 475 480

Tyr Gly Glu Val Phe Glu Pro Thr Val Glu Arg Gly Glu Leu Val Val
 485 490 495

Arg Tyr Arg Val Arg Lys Ser Tyr Ser Arg Arg Thr Thr Glu Ala Thr
 500 505 510

Leu Asn Ser Leu Gly Ile Ser Glu Glu Leu Lys Glu Lys Leu Arg Asp
 515 520 525

Val Met Val Asp Arg His Lys Val Ala Leu Gly Lys Thr Leu Gly Glu
 530 535 540

Gly Glu Phe Gly Ala Val Met Glu Gly Gln Leu Asn Gln Asp Asp Ser
 545 550 555 560

Ile Leu Lys Val Ala Val Lys Thr Met Lys Ile Ala Ile Cys Thr Arg

eolf-seql

565

570

575

Ser Glu Leu Glu Asp Phe Leu Ser Glu Ala Val Cys Met Lys Glu Phe
 580 585 590

Asp His Pro Asn Val Met Arg Leu Ile Gly Val Cys Phe Gln Gly Ser
 595 600 605

Glu Arg Glu Ser Phe Pro Ala Pro Val Val Ile Leu Pro Phe Met Lys
 610 615 620

His Gly Asp Leu His Ser Phe Leu Leu Tyr Ser Arg Leu Gly Asp Gln
 625 630 635 640

Pro Val Tyr Leu Pro Thr Gln Met Leu Val Lys Phe Met Ala Asp Ile
 645 650 655

Ala Ser Gly Met Glu Tyr Leu Ser Thr Lys Arg Phe Ile His Arg Asp
 660 665 670

Leu Ala Ala Arg Asn Cys Met Leu Asn Glu Asn Met Ser Val Cys Val
 675 680 685

Ala Asp Phe Gly Leu Ser Lys Lys Ile Tyr Asn Gly Asp Tyr Tyr Arg
 690 695 700

Gln Gly Arg Ile Ala Lys Met Pro Val Lys Trp Ile Ala Ile Glu Ser
 705 710 715 720

Leu Ala Asp Arg Val Tyr Thr Ser Lys Ser Asp Val Trp Ser Phe Gly
 725 730 735

Val Thr Met Trp Glu Ile Ala Thr Arg Gly Gln Thr Pro Tyr Pro Gly
 740 745 750

Val Glu Asn Ser Glu Ile Tyr Asp Tyr Leu Arg Gln Gly Asn Arg Leu

eolf-seql

755

760

765

Lys Gln Pro Ala Asp Cys Leu Asp Gly Leu Tyr Ala Leu Met Ser Arg
 770 775 780

Cys Trp Glu Leu Asn Pro Gln Asp Arg Pro Ser Phe Thr Glu Leu Arg
 785 790 795 800

Glu Asp Leu Glu Asn Thr Leu Lys Ala Leu Pro Pro Ala Gln Glu Pro
 805 810 815

Asp Glu Ile Leu Tyr Val Asn Met Asp Glu Gly Gly Tyr Pro Glu
 820 825 830

Pro Pro Gly Ala Ala Gly Gly Ala Asp Pro Pro Thr Gln Pro Asp Pro
 835 840 845

Lys Asp Ser Cys Ser Cys Leu Thr Ala Ala Glu Val His Pro Ala Gly
 850 855 860

Arg Tyr Val Leu Cys Pro Ser Thr Thr Pro Ser Pro Ala Gln Pro Ala
 865 870 875 880

Asp Arg Gly Ser Pro Ala Ala Pro Gly Gln Glu Asp Gly Ala
 885 890

<210> 131

<211> 904

<212> PRT

<213> Mus Musculus

<400> 131

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

Leu Ala Leu Cys Gly Trp Ala Cys Met Tyr Pro Tyr Asp Val Pro Asp
 20 25 30

eolf-seql

Tyr Ala Ala His Lys Asp Thr Gln Thr Glu Ala Gly Ser Pro Phe Val
35 40 45

Gly Asn Pro Gly Asn Ile Thr Gly Ala Arg Gly Leu Thr Gly Thr Leu
50 55 60

Arg Cys Glu Leu Gln Val Gln Gly Glu Pro Pro Glu Val Val Trp Leu
65 70 75 80

Arg Asp Gly Gln Ile Leu Glu Leu Ala Asp Asn Thr Gln Thr Gln Val
85 90 95

Pro Leu Gly Glu Asp Trp Gln Asp Glu Trp Lys Val Val Ser Gln Leu
100 105 110

Arg Ile Ser Ala Leu Gln Leu Ser Asp Ala Gly Glu Tyr Gln Cys Met
115 120 125

Val His Leu Glu Gly Arg Thr Phe Val Ser Gln Pro Gly Phe Val Gly
130 135 140

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

Pro Ala Asn Thr Pro Phe Asn Leu Ser Cys Gln Ala Gln Gly Pro Pro
165 170 175

Glu Pro Val Thr Leu Leu Trp Leu Gln Asp Ala Val Pro Leu Ala Pro
180 185 190

Val Thr Gly His Ser Ser Gln His Ser Leu Gln Thr Pro Gly Leu Asn
195 200 205

Lys Thr Ser Ser Phe Ser Cys Glu Ala His Asn Ala Lys Gly Val Thr
210 215 220

eolf-seql

Thr Ser Arg Thr Ala Thr Ile Thr Val Leu Pro Gln Arg Pro His His
225 230 235 240

Leu His Val Val Ser Arg Gln Pro Thr Glu Leu Glu Val Ala Trp Thr
245 250 255

Pro Gly Leu Ser Gly Ile Tyr Pro Leu Thr His Cys Asn Leu Gln Ala
260 265 270

Val Leu Ser Asp Asp Gly Val Gly Ile Trp Leu Gly Lys Ser Asp Pro
275 280 285

Pro Glu Asp Pro Leu Thr Leu Gln Val Ser Val Pro Pro His Gln Leu
290 295 300

Arg Leu Glu Lys Leu Leu Pro His Thr Pro Tyr His Ile Arg Ile Ser
305 310 315 320

Cys Ser Ser Ser Gln Gly Pro Ser Pro Trp Thr His Trp Leu Pro Val
325 330 335

Glu Thr Thr Glu Gly Val Pro Leu Gly Pro Pro Glu Asn Val Ser Ala
340 345 350

Met Arg Asn Gly Ser Gln Val Leu Val Arg Trp Gln Glu Pro Arg Val
355 360 365

Pro Leu Gln Gly Thr Leu Leu Gly Tyr Arg Leu Ala Tyr Arg Gly Gln
370 375 380

Asp Thr Pro Glu Val Leu Met Asp Ile Gly Leu Thr Arg Glu Val Thr
385 390 395 400

Leu Glu Leu Arg Gly Asp Arg Pro Val Ala Asn Leu Thr Val Ser Val
405 410 415

eolf-seql

Thr Ala Tyr Thr Ser Ala Gly Asp Gly Pro Trp Ser Leu Pro Val Pro
420 425 430

Leu Glu Pro Trp Arg Pro Gly Gln Gly Gln Pro Leu His His Leu Val
435 440 445

Ser Glu Pro Pro Pro Arg Ala Phe Ser Trp Pro Trp Trp Tyr Val Leu
450 455 460

Leu Gly Ala Val Val Ala Ala Ala Cys Val Leu Ile Leu Ala Leu Phe
465 470 475 480

Leu Val His Arg Arg Lys Lys Glu Thr Arg Tyr Gly Glu Val Phe Glu
485 490 495

Pro Thr Val Glu Arg Gly Glu Leu Val Val Arg Tyr Arg Val Arg Lys
500 505 510

Ser Tyr Ser Arg Arg Thr Thr Glu Ala Thr Leu Asn Ser Leu Gly Ile
515 520 525

Ser Glu Glu Leu Lys Glu Lys Leu Arg Asp Val Met Val Asp Arg His
530 535 540

Lys Val Ala Leu Gly Lys Thr Leu Gly Glu Gly Glu Phe Gly Ala Val
545 550 555 560

Met Glu Gly Gln Leu Asn Gln Asp Asp Ser Ile Leu Lys Val Ala Val
565 570 575

Lys Thr Met Lys Ile Ala Ile Cys Thr Arg Ser Glu Leu Glu Asp Phe
580 585 590

Leu Ser Glu Ala Val Cys Met Lys Glu Phe Asp His Pro Asn Val Met
595 600 605

eolf-seql

Arg Leu Ile Gly Val Cys Phe Gln Gly Ser Glu Arg Glu Ser Phe Pro
610 615 620

Ala Pro Val Val Ile Leu Pro Phe Met Lys His Gly Asp Leu His Ser
625 630 635 640

Phe Leu Leu Tyr Ser Arg Leu Gly Asp Gln Pro Val Tyr Leu Pro Thr
645 650 655

Gln Met Leu Val Lys Phe Met Ala Asp Ile Ala Ser Gly Met Glu Tyr
660 665 670

Leu Ser Thr Lys Arg Phe Ile His Arg Asp Leu Ala Ala Arg Asn Cys
675 680 685

Met Leu Asn Glu Asn Met Ser Val Cys Val Ala Asp Phe Gly Leu Ser
690 695 700

Lys Lys Ile Tyr Asn Gly Asp Tyr Tyr Arg Gln Gly Arg Ile Ala Lys
705 710 715 720

Met Pro Val Lys Trp Ile Ala Ile Glu Ser Leu Ala Asp Arg Val Tyr
725 730 735

Thr Ser Lys Ser Asp Val Trp Ser Phe Gly Val Thr Met Trp Glu Ile
740 745 750

Ala Thr Arg Gly Gln Thr Pro Tyr Pro Gly Val Glu Asn Ser Glu Ile
755 760 765

Tyr Asp Tyr Leu Arg Gln Gly Asn Arg Leu Lys Gln Pro Ala Asp Cys
770 775 780

Leu Asp Gly Leu Tyr Ala Leu Met Ser Arg Cys Trp Glu Leu Asn Pro
785 790 795 800

eolf-seql

Gln Asp Arg Pro Ser Phe Thr Glu Leu Arg Glu Asp Leu Glu Asn Thr
805 810 815

Leu Lys Ala Leu Pro Pro Ala Gln Glu Pro Asp Glu Ile Leu Tyr Val
820 825 830

Asn Met Asp Glu Gly Gly Gly Tyr Pro Glu Pro Pro Gly Ala Ala Gly
835 840 845

Gly Ala Asp Pro Pro Thr Gln Pro Asp Pro Lys Asp Ser Cys Ser Cys
850 855 860

Leu Thr Ala Ala Glu Val His Pro Ala Gly Arg Tyr Val Leu Cys Pro
865 870 875 880

Ser Thr Thr Pro Ser Pro Ala Gln Pro Ala Asp Arg Gly Ser Pro Ala
885 890 895

Ala Pro Gly Gln Glu Asp Gly Ala
900

<210> 132
<211> 894
<212> PRT
<213> homo sapiens

<400> 132

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

Leu Ala Leu Cys Gly Trp Ala Cys Met Ala Pro Arg Gly Thr Gln Ala
20 25 30

Glu Glu Ser Pro Phe Val Gly Asn Pro Gly Asn Ile Thr Gly Ala Arg
35 40 45

eolf-seql

Gly Leu Thr Gly Thr Leu Arg Cys Gln Leu Gln Val Gln Gly Glu Pro
50 55 60

Pro Glu Val His Trp Leu Arg Asp Gly Gln Ile Leu Glu Leu Ala Asp
65 70 75 80

Ser Thr Gln Thr Gln Val Pro Leu Gly Glu Asp Glu Gln Asp Asp Trp
85 90 95

Ile Val Val Ser Gln Leu Arg Ile Thr Ser Leu Gln Leu Ser Asp Thr
100 105 110

Gly Gln Tyr Gln Cys Leu Val Phe Leu Gly His Gln Thr Phe Val Ser
115 120 125

Gln Pro Gly Tyr Val Gly Leu Glu Gly Leu Pro Tyr Phe Leu Glu Glu
130 135 140

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

Gln Ala Gln Gly Pro Pro Glu Pro Val Thr Leu Leu Trp Leu Gln Asp
165 170 175

Ala Val Pro Leu Ala Pro Val Thr Gly His Ser Ser Gln His Ser Leu
180 185 190

Gln Thr Pro Gly Leu Asn Lys Thr Ser Ser Phe Ser Cys Glu Ala His
195 200 205

Asn Ala Lys Gly Val Thr Thr Ser Arg Thr Ala Thr Ile Thr Val Leu
210 215 220

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

eolf-seql

Leu Glu Val Ala Trp Thr Pro Gly Leu Ser Gly Ile Tyr Pro Leu Thr
245 250 255

His Cys Thr Leu Gln Ala Val Leu Ser Asp Asp Gly Met Gly Ile Gln
260 265 270

Ala Gly Glu Pro Asp Pro Pro Glu Glu Pro Leu Thr Ser Gln Ala Ser
275 280 285

Val Pro Pro His Gln Leu Arg Leu Gly Ser Leu His Pro His Thr Pro
290 295 300

Tyr His Ile Arg Val Ala Cys Thr Ser Ser Gln Gly Pro Ser Ser Trp
305 310 315 320

Thr His Trp Leu Pro Val Glu Thr Pro Glu Gly Val Pro Leu Gly Pro
325 330 335

Pro Glu Asn Ile Ser Ala Thr Arg Asn Gly Ser Gln Ala Phe Val His
340 345 350

Trp Gln Glu Pro Arg Ala Pro Leu Gln Gly Thr Leu Leu Gly Tyr Arg
355 360 365

Leu Ala Tyr Gln Gly Gln Asp Thr Pro Glu Val Leu Met Asp Ile Gly
370 375 380

Leu Arg Gln Glu Val Thr Leu Glu Leu Gln Gly Asp Gly Ser Val Ser
385 390 395 400

Asn Leu Thr Val Cys Val Ala Ala Tyr Thr Ala Ala Gly Asp Gly Pro
405 410 415

Trp Ser Leu Pro Val Pro Leu Glu Ala Trp Arg Pro Gly Gln Ala Gln
420 425 430

eolf-seql

Pro Val His Gln Leu Val Lys Glu Pro Ser Thr Pro Ala Phe Ser Trp
435 440 445

Pro Trp Trp Tyr Val Leu Leu Gly Ala Val Val Ala Ala Ala Cys Val
450 455 460

Leu Ile Leu Ala Leu Phe Leu Val His Arg Arg Lys Lys Glu Thr Arg
465 470 475 480

Tyr Gly Glu Val Phe Glu Pro Thr Val Glu Arg Gly Glu Leu Val Val
485 490 495

Arg Tyr Arg Val Arg Lys Ser Tyr Ser Arg Arg Thr Thr Glu Ala Thr
500 505 510

Leu Asn Ser Leu Gly Ile Ser Glu Glu Leu Lys Glu Lys Leu Arg Asp
515 520 525

Val Met Val Asp Arg His Lys Val Ala Leu Gly Lys Thr Leu Gly Glu
530 535 540

Gly Glu Phe Gly Ala Val Met Glu Gly Gln Leu Asn Gln Asp Asp Ser
545 550 555 560

Ile Leu Lys Val Ala Val Lys Thr Met Lys Ile Ala Ile Cys Thr Arg
565 570 575

Ser Glu Leu Glu Asp Phe Leu Ser Glu Ala Val Cys Met Lys Glu Phe
580 585 590

Asp His Pro Asn Val Met Arg Leu Ile Gly Val Cys Phe Gln Gly Ser
595 600 605

Glu Arg Glu Ser Phe Pro Ala Pro Val Val Ile Leu Pro Phe Met Lys
610 615 620

eolf-seql

His Gly Asp Leu His Ser Phe Leu Leu Tyr Ser Arg Leu Gly Asp Gln
625 630 635 640

Pro Val Tyr Leu Pro Thr Gln Met Leu Val Lys Phe Met Ala Asp Ile
645 650 655

Ala Ser Gly Met Glu Tyr Leu Ser Thr Lys Arg Phe Ile His Arg Asp
660 665 670

Leu Ala Ala Arg Asn Cys Met Leu Asn Glu Asn Met Ser Val Cys Val
675 680 685

Ala Asp Phe Gly Leu Ser Lys Lys Ile Tyr Asn Gly Asp Tyr Tyr Arg
690 695 700

Gln Gly Arg Ile Ala Lys Met Pro Val Lys Trp Ile Ala Ile Glu Ser
705 710 715 720

Leu Ala Asp Arg Val Tyr Thr Ser Lys Ser Asp Val Trp Ser Phe Gly
725 730 735

Val Thr Met Trp Glu Ile Ala Thr Arg Gly Gln Thr Pro Tyr Pro Gly
740 745 750

Val Glu Asn Ser Glu Ile Tyr Asp Tyr Leu Arg Gln Gly Asn Arg Leu
755 760 765

Lys Gln Pro Ala Asp Cys Leu Asp Gly Leu Tyr Ala Leu Met Ser Arg
770 775 780

Cys Trp Glu Leu Asn Pro Gln Asp Arg Pro Ser Phe Thr Glu Leu Arg
785 790 795 800

Glu Asp Leu Glu Asn Thr Leu Lys Ala Leu Pro Pro Ala Gln Glu Pro
805 810 815

eolf-seql

Asp Glu Ile Leu Tyr Val Asn Met Asp Glu Gly Gly Gly Tyr Pro Glu
820 825 830

Pro Pro Gly Ala Ala Gly Gly Ala Asp Pro Pro Thr Gln Pro Asp Pro
835 840 845

Lys Asp Ser Cys Ser Cys Leu Thr Ala Ala Glu Val His Pro Ala Gly
850 855 860

Arg Tyr Val Leu Cys Pro Ser Thr Thr Pro Ser Pro Ala Gln Pro Ala
865 870 875 880

Asp Arg Gly Ser Pro Ala Ala Pro Gly Gln Glu Asp Gly Ala
885 890

<210> 133
<211> 894
<212> PRT
<213> homo sapiens

<400> 133

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

Leu Ala Leu Cys Gly Trp Ala Cys Met Ala Pro Arg Gly Thr Gln Ala
20 25 30

Glu Glu Ser Pro Phe Val Gly Asn Pro Gly Asn Ile Thr Gly Ala Arg
35 40 45

Gly Leu Thr Gly Thr Leu Arg Cys Gln Leu Gln Val Gln Gly Glu Pro
50 55 60

Pro Glu Val His Trp Leu Arg Asp Gly Gln Ile Leu Glu Leu Ala Asp
65 70 75 80

eo1f-seq1

Ser Thr Gln Thr Gln Val Pro Leu Gly Glu Asp Glu Gln Asp Asp Trp
85 90 95

Ile Val Val Ser Gln Leu Arg Ile Thr Ser Leu Gln Leu Ser Asp Thr
100 105 110

Gly Gln Tyr Gln Cys Leu Val Phe Leu Gly His Gln Thr Phe Val Ser
115 120 125

Gln Pro Gly Tyr Val Gly Leu Glu Gly Leu Pro Tyr Phe Leu Glu Glu
130 135 140

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

Gln Ala Gln Gly Pro Pro Glu Pro Val Thr Leu Leu Trp Leu Gln Asp
165 170 175

Ala Val Pro Leu Ala Pro Val Thr Gly His Ser Ser Gln His Ser Leu
180 185 190

Gln Thr Pro Gly Leu Asn Lys Thr Ser Ser Phe Ser Cys Glu Ala His
195 200 205

Asn Ala Lys Gly Val Thr Thr Ser Arg Thr Ala Thr Ile Thr Val Leu
210 215 220

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

Leu Glu Val Ala Trp Thr Pro Gly Leu Ser Gly Ile Tyr Pro Leu Thr
245 250 255

His Cys Thr Leu Gln Ala Val Leu Ser Asp Asp Gly Met Gly Ile Gln
260 265 270

eolf-seql

Ala Gly Glu Pro Asp Pro Pro Glu Glu Pro Leu Thr Ser Gln Ala Ser
275 280 285

Val Pro Pro His Gln Leu Arg Leu Gly Ser Leu His Pro His Thr Pro
290 295 300

Tyr His Ile Arg Val Ala Cys Thr Ser Ser Gln Gly Pro Ser Ser Trp
305 310 315 320

Thr His Trp Leu Pro Val Glu Thr Pro Glu Gly Val Pro Leu Gly Pro
325 330 335

Pro Glu Asn Ile Ser Ala Thr Arg Asn Gly Ser Gln Ala Phe Val His
340 345 350

Trp Gln Glu Pro Arg Ala Pro Leu Gln Gly Thr Leu Leu Gly Tyr Arg
355 360 365

Leu Ala Tyr Gln Gly Gln Asp Thr Pro Glu Val Leu Met Asp Ile Gly
370 375 380

Leu Arg Gln Glu Val Thr Leu Glu Leu Gln Gly Asp Gly Ser Val Ser
385 390 395 400

Asn Leu Thr Val Cys Val Ala Ala Tyr Thr Ala Ala Gly Asp Gly Pro
405 410 415

Trp Ser Leu Pro Val Pro Leu Glu Ala Trp Arg Pro Gly Gln Ala Gln
420 425 430

Pro Val His Gln Leu Val Lys Glu Pro Ser Thr Pro Ala Phe Ser Trp
435 440 445

Pro Trp Trp Tyr Val Leu Leu Gly Ala Val Val Ala Ala Ala Cys Val
450 455 460

eolf-seq1

Leu Ile Leu Ala Leu Phe Leu Val His Arg Arg Lys Lys Glu Thr Arg
465 470 475 480

Tyr Gly Glu Val Phe Glu Pro Thr Val Glu Arg Gly Glu Leu Val Val
485 490 495

Arg Tyr Arg Val Arg Lys Ser Tyr Ser Arg Arg Thr Thr Glu Ala Thr
500 505 510

Leu Asn Ser Leu Gly Ile Ser Glu Glu Leu Lys Glu Lys Leu Arg Asp
515 520 525

Val Met Val Asp Arg His Lys Val Ala Leu Gly Lys Thr Leu Gly Glu
530 535 540

Gly Glu Phe Gly Ala Val Met Glu Gly Gln Leu Asn Gln Asp Asp Ser
545 550 555 560

Ile Leu Lys Val Ala Val Lys Thr Met Lys Ile Ala Ile Cys Thr Arg
565 570 575

Ser Glu Leu Glu Asp Phe Leu Ser Glu Ala Val Cys Met Lys Glu Phe
580 585 590

Asp His Pro Asn Val Met Arg Leu Ile Gly Val Cys Phe Gln Gly Ser
595 600 605

Glu Arg Glu Ser Phe Pro Ala Pro Val Val Ile Leu Pro Phe Met Lys
610 615 620

His Gly Asp Leu His Ser Phe Leu Leu Tyr Ser Arg Leu Gly Asp Gln
625 630 635 640

Pro Val Tyr Leu Pro Thr Gln Met Leu Val Lys Phe Met Ala Asp Ile
645 650 655

eolf-seq1

Ala Ser Gly Met Glu Tyr Leu Ser Thr Lys Arg Phe Ile His Arg Asp
660 665 670

Leu Ala Ala Arg Asn Cys Met Leu Asn Glu Asn Met Ser Val Cys Val
675 680 685

Ala Asp Phe Gly Leu Ser Lys Lys Ile Tyr Asn Gly Asp Tyr Tyr Arg
690 695 700

Gln Gly Arg Ile Ala Lys Met Pro Val Lys Trp Ile Ala Ile Glu Ser
705 710 715 720

Leu Ala Asp Arg Val Tyr Thr Ser Lys Ser Asp Val Trp Ser Phe Gly
725 730 735

Val Thr Met Trp Glu Ile Ala Thr Arg Gly Gln Thr Pro Tyr Pro Gly
740 745 750

Val Glu Asn Ser Glu Ile Tyr Asp Tyr Leu Arg Gln Gly Asn Arg Leu
755 760 765

Lys Gln Pro Ala Asp Cys Leu Asp Gly Leu Tyr Ala Leu Met Ser Arg
770 775 780

Cys Trp Glu Leu Asn Pro Gln Asp Arg Pro Ser Phe Thr Glu Leu Arg
785 790 795 800

Glu Asp Leu Glu Asn Thr Leu Lys Ala Leu Pro Pro Ala Gln Glu Pro
805 810 815

Asp Glu Ile Leu Tyr Val Asn Met Asp Glu Gly Gly Gly Tyr Pro Glu
820 825 830

Pro Pro Gly Ala Ala Gly Gly Ala Asp Pro Pro Thr Gln Pro Asp Pro
835 840 845

eolf-seql

Lys Asp Ser Cys Ser Cys Leu Thr Ala Ala Glu Val His Pro Ala Gly
850 855 860

Arg Tyr Val Leu Cys Pro Ser Thr Thr Pro Ser Pro Ala Gln Pro Ala
865 870 875 880

Asp Arg Gly Ser Pro Ala Ala Pro Gly Gln Glu Asp Gly Ala
885 890

<210> 134

<211> 894

<212> PRT

<213> homo sapiens

<400> 134

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

Leu Ala Leu Cys Gly Trp Ala Cys Met Ala Pro Arg Gly Thr Gln Ala
20 25 30

Glu Glu Ser Pro Phe Val Gly Asn Pro Gly Asn Ile Thr Gly Ala Arg
35 40 45

Gly Leu Thr Gly Thr Leu Arg Cys Gln Leu Gln Val Gln Gly Glu Pro
50 55 60

Pro Glu Val His Trp Leu Arg Asp Gly Gln Ile Leu Glu Leu Ala Asp
65 70 75 80

Ser Thr Gln Thr Gln Val Pro Leu Gly Glu Asp Glu Gln Asp Asp Trp
85 90 95

Ile Val Val Ser Gln Leu Arg Ile Thr Ser Leu Gln Leu Ser Asp Thr
100 105 110

Gly Gln Tyr Gln Cys Leu Val Phe Leu Gly His Gln Thr Phe Val Ser

eolf-seql

115

120

125

Gln Pro Gly Tyr Val Gly Leu Glu Gly Leu Pro Tyr Phe Leu Glu Glu
 130 135 140

Pro Glu Asp Arg Thr Val Ala Ala Asn Thr Pro Phe Asn Leu Ser Cys
 145 150 155 160

Gln Ala Gln Gly Pro Pro Glu Pro Val Asp Leu Leu Trp Leu Gln Asp
 165 170 175

Ala Val Pro Leu Ala Thr Ala Pro Gly His Gly Pro Gln Arg Ser Leu
 180 185 190

His Val Pro Gly Leu Asn Lys Thr Ser Ser Phe Ser Cys Glu Ala His
 195 200 205

Asn Ala Lys Gly Val Thr Thr Ser Arg Thr Ala Thr Ile Thr Val Leu
 210 215 220

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

Leu Glu Val Ala Trp Thr Pro Gly Leu Ser Gly Ile Tyr Pro Leu Thr
 245 250 255

His Cys Asn Leu Gln Ala Val Leu Ser Asp Asp Gly Val Gly Ile Trp
 260 265 270

Leu Gly Lys Ser Asp Pro Pro Glu Asp Pro Leu Thr Leu Gln Val Ser
 275 280 285

Val Pro Pro His Gln Leu Arg Leu Glu Lys Leu Leu Pro His Thr Pro
 290 295 300

Tyr His Ile Arg Ile Ser Cys Ser Ser Ser Gln Gly Pro Ser Pro Trp

eolf-seql

305		310		315		320									
Thr	His	Trp	Leu	Pro	Val	Glu	Thr	Thr	Glu	Gly	Val	Pro	Leu	Gly	Pro
			325						330					335	
Pro	Glu	Asn	Ile	Ser	Ala	Thr	Arg	Asn	Gly	Ser	Gln	Ala	Phe	Val	His
			340						345					350	
Trp	Gln	Glu	Pro	Arg	Ala	Pro	Leu	Gln	Gly	Thr	Leu	Leu	Gly	Tyr	Arg
			355						360					365	
Leu	Ala	Tyr	Gln	Gly	Gln	Asp	Thr	Pro	Glu	Val	Leu	Met	Asp	Ile	Gly
			370						375					380	
Leu	Arg	Gln	Glu	Val	Thr	Leu	Glu	Leu	Gln	Gly	Asp	Gly	Ser	Val	Ser
			385						390					395	
Asn	Leu	Thr	Val	Cys	Val	Ala	Ala	Tyr	Thr	Ala	Ala	Gly	Asp	Gly	Pro
				405						410				415	
Trp	Ser	Leu	Pro	Val	Pro	Leu	Glu	Ala	Trp	Arg	Pro	Gly	Gln	Ala	Gln
			420						425					430	
Pro	Val	His	Gln	Leu	Val	Lys	Glu	Pro	Ser	Thr	Pro	Ala	Phe	Ser	Trp
			435						440					445	
Pro	Trp	Trp	Tyr	Val	Leu	Leu	Gly	Ala	Val	Val	Ala	Ala	Ala	Cys	Val
			450						455					460	
Leu	Ile	Leu	Ala	Leu	Phe	Leu	Val	His	Arg	Arg	Lys	Lys	Glu	Thr	Arg
			465						470					475	
Tyr	Gly	Glu	Val	Phe	Glu	Pro	Thr	Val	Glu	Arg	Gly	Glu	Leu	Val	Val
				485					490					495	
Arg	Tyr	Arg	Val	Arg	Lys	Ser	Tyr	Ser	Arg	Arg	Thr	Thr	Glu	Ala	Thr

eolf-seql

500

505

510

Leu Asn Ser Leu Gly Ile Ser Glu Glu Leu Lys Glu Lys Leu Arg Asp
 515 520 525

Val Met Val Asp Arg His Lys Val Ala Leu Gly Lys Thr Leu Gly Glu
 530 535 540

Gly Glu Phe Gly Ala Val Met Glu Gly Gln Leu Asn Gln Asp Asp Ser
 545 550 555 560

Ile Leu Lys Val Ala Val Lys Thr Met Lys Ile Ala Ile Cys Thr Arg
 565 570 575

Ser Glu Leu Glu Asp Phe Leu Ser Glu Ala Val Cys Met Lys Glu Phe
 580 585 590

Asp His Pro Asn Val Met Arg Leu Ile Gly Val Cys Phe Gln Gly Ser
 595 600 605

Glu Arg Glu Ser Phe Pro Ala Pro Val Val Ile Leu Pro Phe Met Lys
 610 615 620

His Gly Asp Leu His Ser Phe Leu Leu Tyr Ser Arg Leu Gly Asp Gln
 625 630 635 640

Pro Val Tyr Leu Pro Thr Gln Met Leu Val Lys Phe Met Ala Asp Ile
 645 650 655

Ala Ser Gly Met Glu Tyr Leu Ser Thr Lys Arg Phe Ile His Arg Asp
 660 665 670

Leu Ala Ala Arg Asn Cys Met Leu Asn Glu Asn Met Ser Val Cys Val
 675 680 685

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

eolf-seql

690

695

700

Gln Gly Arg Ile Ala Lys Met Pro Val Lys Trp Ile Ala Ile Glu Ser
 705 710 715 720

Leu Ala Asp Arg Val Tyr Thr Ser Lys Ser Asp Val Trp Ser Phe Gly
 725 730 735

Val Thr Met Trp Glu Ile Ala Thr Arg Gly Gln Thr Pro Tyr Pro Gly
 740 745 750

Val Glu Asn Ser Glu Ile Tyr Asp Tyr Leu Arg Gln Gly Asn Arg Leu
 755 760 765

Lys Gln Pro Ala Asp Cys Leu Asp Gly Leu Tyr Ala Leu Met Ser Arg
 770 775 780

Cys Trp Glu Leu Asn Pro Gln Asp Arg Pro Ser Phe Thr Glu Leu Arg
 785 790 795 800

Glu Asp Leu Glu Asn Thr Leu Lys Ala Leu Pro Pro Ala Gln Glu Pro
 805 810 815

Asp Glu Ile Leu Tyr Val Asn Met Asp Glu Gly Gly Gly Tyr Pro Glu
 820 825 830

Pro Pro Gly Ala Ala Gly Gly Ala Asp Pro Pro Thr Gln Pro Asp Pro
 835 840 845

Lys Asp Ser Cys Ser Cys Leu Thr Ala Ala Glu Val His Pro Ala Gly
 850 855 860

Arg Tyr Val Leu Cys Pro Ser Thr Thr Pro Ser Pro Ala Gln Pro Ala
 865 870 875 880

Asp Arg Gly Ser Pro Ala Ala Pro Gly Gln Glu Asp Gly Ala

885

eolf-seql
890

<210> 135
 <211> 894
 <212> PRT
 <213> homo sapiens

<400> 135

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

Leu Ala Leu Cys Gly Trp Ala Cys Met Ala Pro Arg Gly Thr Gln Ala
 20 25 30

Glu Glu Ser Pro Phe Val Gly Asn Pro Gly Asn Ile Thr Gly Ala Arg
 35 40 45

Gly Leu Thr Gly Thr Leu Arg Cys Gln Leu Gln Val Gln Gly Glu Pro
 50 55 60

Pro Glu Val His Trp Leu Arg Asp Gly Gln Ile Leu Glu Leu Ala Asp
 65 70 75 80

Ser Thr Gln Thr Gln Val Pro Leu Gly Glu Asp Glu Gln Asp Asp Trp
 85 90 95

Ile Val Val Ser Gln Leu Arg Ile Thr Ser Leu Gln Leu Ser Asp Thr
 100 105 110

Gly Gln Tyr Gln Cys Leu Val Phe Leu Gly His Gln Thr Phe Val Ser
 115 120 125

Gln Pro Gly Tyr Val Gly Leu Glu Gly Leu Pro Tyr Phe Leu Glu Glu
 130 135 140

Pro Glu Asp Arg Thr Val Ala Ala Asn Thr Pro Phe Asn Leu Ser Cys
 145 150 155 160

eolf-seql

Gln Ala Gln Gly Pro Pro Glu Pro Val Asp Leu Leu Trp Leu Gln Asp
165 170 175

Ala Val Pro Leu Ala Thr Ala Pro Gly His Gly Pro Gln Arg Ser Leu
180 185 190

His Val Pro Gly Leu Asn Lys Thr Ser Ser Phe Ser Cys Glu Ala His
195 200 205

Asn Ala Lys Gly Val Thr Thr Ser Arg Thr Ala Thr Ile Thr Val Leu
210 215 220

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

Leu Glu Val Ala Trp Thr Pro Gly Leu Ser Gly Ile Tyr Pro Leu Thr
245 250 255

His Cys Thr Leu Gln Ala Val Leu Ser Asp Asp Gly Met Gly Ile Gln
260 265 270

Ala Gly Glu Pro Asp Pro Pro Glu Glu Pro Leu Thr Ser Gln Ala Ser
275 280 285

Val Pro Pro His Gln Leu Arg Leu Gly Ser Leu His Pro His Thr Pro
290 295 300

Tyr His Ile Arg Val Ala Cys Thr Ser Ser Gln Gly Pro Ser Ser Trp
305 310 315 320

Thr His Trp Leu Pro Val Glu Thr Pro Glu Gly Val Pro Leu Gly Pro
325 330 335

Pro Glu Asn Val Ser Ala Met Arg Asn Gly Ser Gln Val Leu Val Arg
340 345 350

eolf-seql

Trp Gln Glu Pro Arg Val Pro Leu Gln Gly Thr Leu Leu Gly Tyr Arg
355 360 365

Leu Ala Tyr Arg Gly Gln Asp Thr Pro Glu Val Leu Met Asp Ile Gly
370 375 380

Leu Thr Arg Glu Val Thr Leu Glu Leu Arg Gly Asp Arg Pro Val Ala
385 390 395 400

Asn Leu Thr Val Ser Val Thr Ala Tyr Thr Ser Ala Gly Asp Gly Pro
405 410 415

Trp Ser Leu Pro Val Pro Leu Glu Pro Trp Arg Pro Gly Gln Gly Gln
420 425 430

Pro Leu His His Leu Val Ser Glu Pro Pro Pro Arg Ala Phe Ser Trp
435 440 445

Pro Trp Trp Tyr Val Leu Leu Gly Ala Val Val Ala Ala Ala Cys Val
450 455 460

Leu Ile Leu Ala Leu Phe Leu Val His Arg Arg Lys Lys Glu Thr Arg
465 470 475 480

Tyr Gly Glu Val Phe Glu Pro Thr Val Glu Arg Gly Glu Leu Val Val
485 490 495

Arg Tyr Arg Val Arg Lys Ser Tyr Ser Arg Arg Thr Thr Glu Ala Thr
500 505 510

Leu Asn Ser Leu Gly Ile Ser Glu Glu Leu Lys Glu Lys Leu Arg Asp
515 520 525

Val Met Val Asp Arg His Lys Val Ala Leu Gly Lys Thr Leu Gly Glu
530 535 540

eolf-seql

Gly Glu Phe Gly Ala Val Met Glu Gly Gln Leu Asn Gln Asp Asp Ser
545 550 555 560

Ile Leu Lys Val Ala Val Lys Thr Met Lys Ile Ala Ile Cys Thr Arg
565 570 575

Ser Glu Leu Glu Asp Phe Leu Ser Glu Ala Val Cys Met Lys Glu Phe
580 585 590

Asp His Pro Asn Val Met Arg Leu Ile Gly Val Cys Phe Gln Gly Ser
595 600 605

Glu Arg Glu Ser Phe Pro Ala Pro Val Val Ile Leu Pro Phe Met Lys
610 615 620

His Gly Asp Leu His Ser Phe Leu Leu Tyr Ser Arg Leu Gly Asp Gln
625 630 635 640

Pro Val Tyr Leu Pro Thr Gln Met Leu Val Lys Phe Met Ala Asp Ile
645 650 655

Ala Ser Gly Met Glu Tyr Leu Ser Thr Lys Arg Phe Ile His Arg Asp
660 665 670

Leu Ala Ala Arg Asn Cys Met Leu Asn Glu Asn Met Ser Val Cys Val
675 680 685

Ala Asp Phe Gly Leu Ser Lys Lys Ile Tyr Asn Gly Asp Tyr Tyr Arg
690 695 700

Gln Gly Arg Ile Ala Lys Met Pro Val Lys Trp Ile Ala Ile Glu Ser
705 710 715 720

Leu Ala Asp Arg Val Tyr Thr Ser Lys Ser Asp Val Trp Ser Phe Gly
725 730 735

eolf-seql

Val Thr Met Trp Glu Ile Ala Thr Arg Gly Gln Thr Pro Tyr Pro Gly
740 745 750

Val Glu Asn Ser Glu Ile Tyr Asp Tyr Leu Arg Gln Gly Asn Arg Leu
755 760 765

Lys Gln Pro Ala Asp Cys Leu Asp Gly Leu Tyr Ala Leu Met Ser Arg
770 775 780

Cys Trp Glu Leu Asn Pro Gln Asp Arg Pro Ser Phe Thr Glu Leu Arg
785 790 795 800

Glu Asp Leu Glu Asn Thr Leu Lys Ala Leu Pro Pro Ala Gln Glu Pro
805 810 815

Asp Glu Ile Leu Tyr Val Asn Met Asp Glu Gly Gly Gly Tyr Pro Glu
820 825 830

Pro Pro Gly Ala Ala Gly Gly Ala Asp Pro Pro Thr Gln Pro Asp Pro
835 840 845

Lys Asp Ser Cys Ser Cys Leu Thr Ala Ala Glu Val His Pro Ala Gly
850 855 860

Arg Tyr Val Leu Cys Pro Ser Thr Thr Pro Ser Pro Ala Gln Pro Ala
865 870 875 880

Asp Arg Gly Ser Pro Ala Ala Pro Gly Gln Glu Asp Gly Ala
885 890

<210> 136

<211> 124

<212> PRT

<213> homo sapiens

<400> 136

eolf-seql

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

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

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

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

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

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

Ala Lys Asp Arg Tyr Asp Ile Leu Thr Gly Tyr Tyr Asn Leu Leu Asp
100 105 110

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

<210> 137
<211> 8
<212> PRT
<213> homo sapiens

<400> 137

Gly Phe Thr Phe Ser Ser Tyr Ala
1 5

<210> 138
<211> 8
<212> PRT
<213> homo sapiens

eolf-seql

<400> 138

Ile Ser Gly Ser Gly Gly His Thr
1 5

<210> 139

<211> 17

<212> PRT

<213> homo sapiens

<400> 139

Ala Lys Asp Arg Tyr Asp Ile Leu Thr Gly Tyr Tyr Asn Leu Leu Asp
1 5 10 15

Tyr

<210> 140

<211> 107

<212> PRT

<213> homo sapiens

<400> 140

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

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

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

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

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

eolf-seql

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

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

<210> 141
<211> 6
<212> PRT
<213> homo sapiens

<400> 141

Gln Gly Ile Ser Ser Trp
1 5

<210> 142
<211> 9
<212> PRT
<213> homo sapiens

<400> 142

Gln Gln Tyr Asn Ser Tyr Pro Leu Thr
1 5

<210> 143
<211> 123
<212> PRT
<213> homo sapiens

<400> 143

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Gly Tyr
20 25 30

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

eolf-seql

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

Gln Asp Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

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

Ala Arg Asp His Ile Ser Met Leu Arg Gly Ile Ile Ile Arg Asn Tyr
100 105 110

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

<210> 144
<211> 108
<212> PRT
<213> homo sapiens

<400> 144

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

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

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

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

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

eolf-seql

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

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

<210> 145
<211> 124
<212> PRT
<213> homo sapiens

<400> 145

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Arg Tyr
20 25 30

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

Gly Arg Ile Ile Pro Ile Val Gly Ile Ala Asn Tyr Ala Gln Lys Phe
50 55 60

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

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

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

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

eolf-seql

<210> 146
 <211> 108
 <212> PRT
 <213> homo sapiens

<400> 146

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

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 Gln Tyr Gly Ser Ser Pro
 85 90 95

Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 147
 <211> 893
 <212> PRT
 <213> Macaca fascicularis

<400> 147

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

Ala Leu Cys Gly Trp Val Cys Met Ala Pro Arg Gly Thr Gln Ala Glu
 20 25 30

eolf-seql

Glu Ser Pro Phe Val Gly Asn Pro Gly Asn Ile Thr Gly Ala Arg Gly
35 40 45

Leu Thr Gly Thr Leu Arg Cys Gln Leu Gln Val Gln Gly Glu Pro Pro
50 55 60

Glu Val His Trp Leu Arg Asp Gly Gln Ile Leu Glu Leu Ala Asp Ser
65 70 75 80

Thr Gln Thr Gln Val Pro Leu Gly Glu Asp Glu Gln Asp Asp Trp Ile
85 90 95

Val Val Ser Gln Leu Arg Ile Ala Ser Leu Gln Leu Ser Asp Ala Gly
100 105 110

Gln Tyr Gln Cys Leu Val Phe Leu Gly His Gln Asn Phe Val Ser Gln
115 120 125

Pro Gly Tyr Val Gly Leu Glu Gly Leu Pro Tyr Phe Leu Glu Glu Pro
130 135 140

Glu Asp Arg Thr Val Ala Ala Asn Thr Pro Phe Asn Leu Ser Cys Gln
145 150 155 160

Ala Gln Gly Pro Pro Glu Pro Val Asp Leu Leu Trp Leu Gln Asp Ala
165 170 175

Val Pro Leu Ala Thr Ala Pro Gly His Gly Pro Gln Arg Asn Leu His
180 185 190

Val Pro Gly Leu Asn Lys Thr Ser Ser Phe Ser Cys Glu Ala His Asn
195 200 205

Ala Lys Gly Val Thr Thr Ser Arg Thr Ala Thr Ile Thr Val Leu Pro
210 215 220

eolf-seql

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

Glu Val Ala Trp Thr Pro Gly Leu Ser Gly Ile Tyr Pro Leu Thr His
245 250 255

Cys Thr Leu Gln Ala Val Leu Ser Asp Asp Gly Met Gly Ile Gln Ala
260 265 270

Gly Glu Pro Asp Pro Pro Glu Glu Pro Leu Thr Leu Gln Ala Ser Val
275 280 285

Pro Pro His Gln Leu Arg Leu Gly Ser Leu His Pro His Thr Pro Tyr
290 295 300

His Ile Arg Val Ala Cys Thr Ser Ser Gln Gly Pro Ser Ser Trp Thr
305 310 315 320

His Trp Leu Pro Val Glu Thr Pro Glu Gly Val Pro Leu Gly Pro Pro
325 330 335

Glu Asn Ile Ser Ala Thr Arg Asn Gly Ser Gln Ala Phe Val His Trp
340 345 350

Gln Glu Pro Arg Ala Pro Leu Gln Gly Thr Leu Leu Gly Tyr Arg Leu
355 360 365

Ala Tyr Gln Gly Gln Asp Thr Pro Glu Val Leu Met Asp Ile Gly Leu
370 375 380

Arg Gln Glu Val Thr Leu Glu Leu Gln Gly Asp Gly Ser Val Ser Asn
385 390 395 400

Leu Thr Val Cys Val Ala Ala Tyr Thr Ala Ala Gly Asp Gly Pro Trp
405 410 415

eolf-seql

Ser Leu Pro Val Pro Leu Glu Ala Trp Arg Pro Gly Gln Ala Gln Pro
420 425 430

Val His Gln Leu Val Lys Glu Thr Ser Ala Pro Ala Phe Ser Trp Pro
435 440 445

Trp Trp Tyr Ile Leu Leu Gly Ala Val Val Ala Ala Ala Cys Val Leu
450 455 460

Ile Leu Ala Leu Phe Leu Val His Arg Arg Lys Lys Glu Thr Arg Tyr
465 470 475 480

Gly Glu Val Phe Glu Pro Thr Val Glu Arg Gly Glu Leu Val Val Arg
485 490 495

Tyr Arg Val Arg Lys Ser Tyr Ser Arg Arg Thr Thr Glu Ala Thr Leu
500 505 510

Asn Ser Leu Gly Ile Ser Glu Glu Leu Lys Glu Lys Leu Arg Asp Val
515 520 525

Met Val Asp Arg His Lys Val Ala Leu Gly Lys Thr Leu Gly Glu Gly
530 535 540

Glu Phe Gly Ala Val Met Glu Gly Gln Leu Asn Gln Asp Asp Ser Ile
545 550 555 560

Leu Lys Val Ala Val Lys Thr Met Lys Ile Ala Ile Cys Thr Arg Ser
565 570 575

Glu Leu Glu Asp Phe Leu Ser Glu Ala Val Cys Met Lys Glu Phe Asp
580 585 590

His Pro Asn Val Met Arg Leu Ile Gly Val Cys Phe Gln Gly Ser Glu
595 600 605

eolf-seql

Arg Glu Ser Phe Pro Ala Pro Val Val Ile Leu Pro Phe Met Lys His
610 615 620

Gly Asp Leu His Ser Phe Leu Leu Tyr Ser Arg Leu Gly Asp Gln Pro
625 630 635 640

Val Tyr Leu Pro Thr Gln Met Leu Val Lys Phe Met Ala Asp Ile Ala
645 650 655

Ser Gly Met Glu Tyr Leu Ser Thr Lys Arg Phe Ile His Arg Asp Leu
660 665 670

Ala Ala Arg Asn Cys Met Leu Asn Glu Asn Met Ser Val Cys Val Ala
675 680 685

Asp Phe Gly Leu Ser Lys Lys Ile Tyr Asn Gly Asp Tyr Tyr Arg Gln
690 695 700

Gly Arg Ile Ala Lys Met Pro Val Lys Trp Ile Ala Ile Glu Ser Leu
705 710 715 720

Ala Asp Arg Val Tyr Thr Ser Lys Ser Asp Val Trp Ser Phe Gly Val
725 730 735

Thr Met Trp Glu Ile Ala Thr Arg Gly Gln Thr Pro Tyr Pro Gly Val
740 745 750

Glu Asn Ser Glu Ile Tyr Asp Tyr Leu Arg Gln Gly Asn Arg Leu Lys
755 760 765

Gln Pro Ala Asp Cys Leu Asp Gly Leu Tyr Ala Leu Met Ser Arg Cys
770 775 780

Trp Glu Leu Asn Pro Gln Asp Arg Pro Ser Phe Thr Glu Leu Arg Glu
785 790 795 800

eolf-seql

Asp Leu Glu Asn Thr Leu Lys Ala Leu Pro Pro Ala Gln Glu Pro Asp
805 810 815

Glu Ile Leu Tyr Val Asn Met Asp Glu Gly Gly Gly Tyr Pro Glu Pro
820 825 830

Pro Gly Ala Ala Gly Gly Ala Asp Pro Pro Thr Gln Leu Asp Pro Lys
835 840 845

Asp Ser Cys Ser Cys Leu Thr Ser Ala Glu Val His Pro Ala Gly Arg
850 855 860

Tyr Val Leu Cys Pro Ser Thr Ala Pro Ser Pro Ala Gln Pro Ala Asp
865 870 875 880

Arg Gly Ser Pro Ala Ala Pro Gly Gln Glu Asp Gly Ala
885 890