

SEQUENCE LISTING

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<151> 2019-01-07

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<170> PatentIn version 3.5

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Val	Ile	Asn	Pro	Ser	Gly	Gly	Ser	Thr	Ser	Tyr	Ala	Gln	Lys	Phe	Gln
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Tyr Thr Phe Thr Ser Tyr Tyr Met His
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Tyr Thr Phe Thr Ser Tyr Tyr Met His

1 5

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Ile

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Ser Ile Gly Thr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu Lys Ser
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Gly

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Gly

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Ala Lys Pro Val Pro Lys Ser Arg Gly Leu Asp Val
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Phe Thr Phe Arg Asp Tyr Ala Met His
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Gly

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Ala Lys Pro Val Pro Arg Leu Arg Gly Leu Asp Val
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Val Ile Trp Pro Asp Gly Ser Asn Lys Leu Tyr Ala Asp Ser Val Lys
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Gly

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Phe Thr Phe Ser Ser Ser Tyr Met His
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Gly

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

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

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Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
20 25

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

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Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
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Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
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Ser Val Lys Val Ser Cys Lys Ala Ser Gly
20 25

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

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Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
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Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
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Ser Val Lys Val Ser Cys Lys Ala Ser Gly
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Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr Met Glu
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Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
20 25 30

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Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
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Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
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Ser Val Lys Val Ser Cys Lys Ala Ser Gly
20 25

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

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Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
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Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
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Thr Leu Ser Leu Thr Cys Ala Val Ser Gly
20 25

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Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
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Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
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Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
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Thr Leu Ser Leu Thr Cys Thr Val Ser Gly
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Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
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Leu Ser Ser Val Thr Ala Thr Asp Thr Ala Val Tyr Tyr Cys
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Ser Val Lys Val Ser Cys Lys Ala Ser Gly
20 25

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

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<400> 131

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
20 25

<210> 132
<211> 14
<212> PRT
<213> Homo sapiens

<400> 132

Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1 5 10

<210> 133

<211> 30
<212> PRT
<213> Homo sapiens

<400> 133

Arg Val Thr Val Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr Met Glu
1 5 10 15

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

<210> 134
<211> 11
<212> PRT
<213> Homo sapiens

<400> 134

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

<210> 135
<211> 26
<212> PRT
<213> Homo sapiens

<400> 135

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
20 25

<210> 136
<211> 14
<212> PRT
<213> Homo sapiens

<400> 136

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

<210> 137
<211> 30
<212> PRT

<213> Homo sapiens

<400> 137

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

Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Leu	Tyr	Tyr	Cys
			20					25					30

<210> 138

<211> 11

<212> PRT

<213> Homo sapiens

<400> 138

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

<210> 139

<211> 26

<212> PRT

<213> Homo sapiens

<400> 139

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

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly
			20					25	

<210> 140

<211> 14

<212> PRT

<213> Homo sapiens

<400> 140

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

<210> 141

<211> 30

<212> PRT

<213> Homo sapiens

<400> 141

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

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Leu Tyr Tyr Cys
20 25 30

<210> 142

<211> 11

<212> PRT

<213> Homo sapiens

<400> 142

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

<210> 143

<211> 26

<212> PRT

<213> Homo sapiens

<400> 143

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
20 25

<210> 144

<211> 14

<212> PRT

<213> Homo sapiens

<400> 144

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

<210> 145

<211> 30

<212> PRT

<213> Homo sapiens

<400> 145

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

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Leu Tyr Tyr Cys
20 25 30

<210> 146
<211> 11
<212> PRT
<213> Homo sapiens

<400> 146

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

<210> 147
<211> 26
<212> PRT
<213> Homo sapiens

<400> 147

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
20 25

<210> 148
<211> 14
<212> PRT
<213> Homo sapiens

<400> 148

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

<210> 149
<211> 30
<212> PRT
<213> Homo sapiens

<400> 149

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

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Leu Tyr Tyr Cys
20 25 30

<210> 150
<211> 11
<212> PRT
<213> Homo sapiens

<400> 150

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

<210> 151
<211> 23
<212> PRT
<213> Homo sapiens

<400> 151

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
20

<210> 152
<211> 15
<212> PRT
<213> Homo sapiens

<400> 152

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

<210> 153
<211> 32
<212> PRT
<213> Homo sapiens

<400> 153

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

Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 154
<211> 10
<212> PRT
<213> Homo sapiens

<400> 154

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 155
<211> 23
<212> PRT
<213> Homo sapiens

<400> 155

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
20

<210> 156
<211> 15
<212> PRT
<213> Homo sapiens

<400> 156

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

<210> 157
<211> 32
<212> PRT
<213> Homo sapiens

<400> 157

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

Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 158
<211> 10
<212> PRT
<213> Homo sapiens

<400> 158

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 159
<211> 23
<212> PRT
<213> Homo sapiens

<400> 159

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
20

<210> 160
<211> 15
<212> PRT
<213> Homo sapiens

<400> 160

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

<210> 161
<211> 32
<212> PRT
<213> Homo sapiens

<400> 161

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

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

<210> 162
<211> 10
<212> PRT
<213> Homo sapiens

<400> 162

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 163
<211> 23
<212> PRT
<213> Homo sapiens

<400> 163

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
20

<210> 164
<211> 15
<212> PRT
<213> Homo sapiens

<400> 164

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

<210> 165
<211> 32
<212> PRT
<213> Homo sapiens

<400> 165

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

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

<210> 166
<211> 10

<212> PRT
<213> Homo sapiens

<400> 166

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 167
<211> 23
<212> PRT
<213> Homo sapiens

<400> 167

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
20

<210> 168
<211> 15
<212> PRT
<213> Homo sapiens

<400> 168

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

<210> 169
<211> 32
<212> PRT
<213> Homo sapiens

<400> 169

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

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

<210> 170
<211> 10
<212> PRT
<213> Homo sapiens

<400> 170

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 171

<211> 23

<212> PRT

<213> Homo sapiens

<400> 171

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
20

<210> 172

<211> 15

<212> PRT

<213> Homo sapiens

<400> 172

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

<210> 173

<211> 32

<212> PRT

<213> Homo sapiens

<400> 173

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

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

<210> 174

<211> 10

<212> PRT

<213> Homo sapiens

<400> 174

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 175
<211> 23
<212> PRT
<213> Homo sapiens

<400> 175

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

Glu Arg Ala Thr Leu Ser Cys
20

<210> 176
<211> 15
<212> PRT
<213> Homo sapiens

<400> 176

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

<210> 177
<211> 32
<212> PRT
<213> Homo sapiens

<400> 177

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

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 178
<211> 10
<212> PRT
<213> Homo sapiens

<400> 178

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys

1 5 10

<210> 179
<211> 23
<212> PRT
<213> Homo sapiens

<400> 179

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

Glu Arg Ala Thr Leu Ser Cys
20

<210> 180
<211> 15
<212> PRT
<213> Homo sapiens

<400> 180

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

<210> 181
<211> 32
<212> PRT
<213> Homo sapiens

<400> 181

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

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 182
<211> 10
<212> PRT
<213> Homo sapiens

<400> 182

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 183
<211> 23
<212> PRT
<213> Homo sapiens

<400> 183

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

Glu Arg Ala Thr Leu Ser Cys
20

<210> 184
<211> 15
<212> PRT
<213> Homo sapiens

<400> 184

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

<210> 185
<211> 32
<212> PRT
<213> Homo sapiens

<400> 185

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

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 186
<211> 10
<212> PRT
<213> Homo sapiens

<400> 186

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 187

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

<400> 187

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
20

<210> 188
<211> 15
<212> PRT
<213> Homo sapiens

<400> 188

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

<210> 189
<211> 32
<212> PRT
<213> Homo sapiens

<400> 189

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
20 25 30

<210> 190
<211> 10
<212> PRT
<213> Homo sapiens

<400> 190

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 191
<211> 23
<212> PRT

<213> Homo sapiens

<400> 191

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
20

<210> 192

<211> 15

<212> PRT

<213> Homo sapiens

<400> 192

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

<210> 193

<211> 32

<212> PRT

<213> Homo sapiens

<400> 193

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
20 25 30

<210> 194

<211> 10

<212> PRT

<213> Homo sapiens

<400> 194

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 195

<211> 23

<212> PRT

<213> Homo sapiens

<400> 195

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

Asp Arg Val Thr Ile Thr Cys
20

<210> 196

<211> 15

<212> PRT

<213> Homo sapiens

<400> 196

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

<210> 197

<211> 32

<212> PRT

<213> Homo sapiens

<400> 197

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
20 25 30

<210> 198

<211> 10

<212> PRT

<213> Homo sapiens

<400> 198

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 199

<211> 23

<212> PRT

<213> Homo sapiens

<400> 199

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

Asp Arg Val Thr Ile Thr Cys
20

<210> 200
<211> 15
<212> PRT
<213> Homo sapiens

<400> 200

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

<210> 201
<211> 32
<212> PRT
<213> Homo sapiens

<400> 201

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
20 25 30

<210> 202
<211> 10
<212> PRT
<213> Homo sapiens

<400> 202

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 203
<211> 23
<212> PRT
<213> Homo sapiens

<400> 203

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

Asp Arg Val Thr Ile Thr Cys
20

<210> 204
<211> 15
<212> PRT
<213> Homo sapiens

<400> 204

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

<210> 205
<211> 32
<212> PRT
<213> Homo sapiens

<400> 205

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
20 25 30

<210> 206
<211> 10
<212> PRT
<213> Homo sapiens

<400> 206

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 207
<211> 23
<212> PRT
<213> Homo sapiens

<400> 207

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

Asp Arg Val Thr Ile Thr Cys
20

<210> 208
<211> 15
<212> PRT
<213> Homo sapiens

<400> 208

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

<210> 209
<211> 32
<212> PRT
<213> Homo sapiens

<400> 209

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
20 25 30

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

<400> 210

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

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

<400> 211

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

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

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

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

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

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

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

<400> 212

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 Lys 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 Val His Asn Phe Pro Leu

85

90

95

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

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

<400> 213

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

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

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

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

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

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

<210> 214
<211> 107
<212> PRT
<213> Homo sapiens

<400> 214

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 Lys 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
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Val His Asn Phe Pro Leu	85	90	95
Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys	100	105	

<210> 215
 <211> 121
 <212> PRT
 <213> Homo sapiens

<400> 215

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 Thr Phe Thr Ser Tyr	20	25	30	
Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met	35	40	45	
Gly Val Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe	50	55	60	
Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val 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 Asp His Ser Asp Tyr Trp Ser Gly Ile Leu Asp Val Trp Gly
100 105 110

Gln Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 216
<211> 108
<212> PRT
<213> Homo sapiens

<400> 216

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 Arg 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 Phe Ser Pro Pro
85 90 95

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

<210> 217
<211> 121
<212> PRT
<213> Homo sapiens

<400> 217

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 Thr Phe Glu Lys Tyr
20 25 30

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

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

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val 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 Asp His Ser Asp Tyr Trp Ser Gly Ile Leu His Ser Trp Gly
100 105 110

Gln Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 218
<211> 108
<212> PRT
<213> Homo sapiens

<400> 218

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 Arg 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 Phe Ser Pro Pro
85 90 95

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

<210> 219
<211> 121
<212> PRT
<213> Homo sapiens

<400> 219

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 Thr Phe Thr Ser Tyr
20 25 30

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

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

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Thr Ser Thr Val 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 Asp His Ser Asp Tyr Trp Ser Gly Ile Met Glu Val Trp Gly
100 105 110

Gln Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 220
<211> 108

<212> PRT
<213> Homo sapiens

<400> 220

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 Arg 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 Phe Ser Pro Pro
85 90 95

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

<210> 221
<211> 121
<212> PRT
<213> Homo sapiens

<400> 221

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 Thr Phe Thr Ser Tyr
20 25 30

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

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

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Thr Ser Thr Val 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 Asp His Ser Asp Tyr Trp Ser Gly Ile Met Glu Val Trp Gly
100 105 110

Gln Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 222
<211> 108
<212> PRT
<213> Homo sapiens

<400> 222

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 Arg 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 Phe Ser Pro Pro
85 90 95

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

<210> 223

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

<400> 223

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

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

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

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

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

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

Ala Ile Glu Gly Ala Asn Tyr Tyr Asp Phe Gly Tyr Val Ala Phe Asp
100 105 110

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

<210> 224
<211> 107
<212> PRT
<213> Homo sapiens

<400> 224

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val 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

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile

35

40

45

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

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

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

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

<210> 225
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 225

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

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

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

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

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

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

Cys Ala Ile Glu Gly Ala Asn Phe Lys Asp Phe Gly Tyr Val Ala Phe
 100 105 110

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

<210> 226
<211> 107
<212> PRT
<213> Homo sapiens

<400> 226

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val 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

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

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

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

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

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

<210> 227
<211> 125
<212> PRT
<213> Homo sapiens

<400> 227

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

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

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

Trp Ile Gly Ser Ile Gly Thr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
50 55 60

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

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

Cys Ala Ile Glu Gly Ala Asn Phe Arg Asp Phe Gly Tyr Val Ala Phe
100 105 110

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

<210> 228
<211> 107
<212> PRT
<213> Homo sapiens

<400> 228

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val 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

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

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

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

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

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

<210> 229
<211> 122
<212> PRT
<213> Homo sapiens

<400> 229

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

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu 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 Leu His Leu Gly Ser Ser Ala Tyr Tyr Gly Met Asp Val Trp
100 105 110

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

<210> 230
<211> 107
<212> PRT
<213> Homo sapiens

<400> 230

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 Ser Ile Ser Ser Tyr
20 25 30

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

Tyr Ala Ala Ser 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 Arg Tyr Val Phe Pro Pro
85 90 95

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

<210> 231
<211> 122
<212> PRT
<213> Homo sapiens

<400> 231

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 Gln Asn Tyr
20 25 30

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

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

Gln Gly Arg Val Thr Val Thr Ala Asp Glu 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 Leu His Leu Gly Gln Lys Ala Tyr Tyr Gly Met Asp Val Trp
100 105 110

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

<210> 232
<211> 107
<212> PRT
<213> Homo sapiens

<400> 232

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 Ser Ile Ser Ser Tyr
20 25 30

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

Tyr Ala Ala Ser 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 Arg Tyr Val Phe Pro Pro
85 90 95

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

<210> 233
<211> 119
<212> PRT
<213> Homo sapiens

<400> 233

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

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

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

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

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

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

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

Thr Met Val Thr Val Ser Ser
115

<210> 234
<211> 107
<212> PRT
<213> Homo sapiens

<400> 234

Asp Ile Gln Leu 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 Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Gly 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	Ala	Phe	Tyr	Leu	Pro	Trp
				85					90					95	

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

<210> 235
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 235

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

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

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

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

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

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

Ala	Lys	Pro	Val	Pro	Arg	Leu	Arg	Gly	Leu	Asp	Val	Trp	Gly	Gln	Gly
			100					105					110		

Thr	Met	Val	Thr	Val	Ser	Ser
						115

<210> 236
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 236

Asp Ile Gln Leu 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 Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Gly 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 Ala Phe Tyr Leu Pro Trp
85 90 95

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

<210> 237

<211> 119

<212> PRT

<213> Homo sapiens

<400> 237

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

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

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

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

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

Thr Met Val Thr Val Ser Ser
115

<210> 238
<211> 107
<212> PRT
<213> Homo sapiens

<400> 238

Asp Ile Gln Leu 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 Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Gly 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 Ala Phe Tyr Leu Pro Trp
85 90 95

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

<210> 239
<211> 119
<212> PRT

<213> Homo sapiens

<400> 239

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

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

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

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

Glu 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 Leu Tyr Tyr Cys
85 90 95

Ala Lys Pro Val Pro Arg Arg Arg Gly Leu Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser
115

<210> 240

<211> 107

<212> PRT

<213> Homo sapiens

<400> 240

Asp Ile Gln Leu 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 Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Gly 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 Ala Phe Tyr Leu Pro Trp
85 90 95

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

<210> 241
<211> 381
<212> DNA
<213> Homo sapiens

<400> 241
gaggtgcagc tgggtggagtc tgggggaggc ttggtccagc ctgggggggtc cctgagactc 60
tcctgtgcag cctctggatt cacctttagt agctatggga tgagctgggt ccgccaggct 120
ccagggaagg ggctggagtg ggtggccaac ataaagcaag atggaagtga gaaatactat 180
gtggactctg tgaagggccg attcaccatc tccagagaca acgccaagaa ctactgtat 240
ctgcaaatac acagcctgag agccgaggac acggcggtgt actactgcgc tagagtatct 300
tactactacg acagcagcaa actacgatgg gcagaatact tccaacactg gggacagggt 360
acatttgtca ccgtctcctc a 381

<210> 242
<211> 321
<212> DNA
<213> Homo sapiens

<400> 242
gaaatttgtg tgacacagtc tccagccacc ctgtctttgt ctccagggga aagagccacc 60
ctctcctgca gggccagtca gagggttagc agctacttag cctggtacca acagaaacct 120
ggccaggctc ccaggctcct catctatgat gcatccaaaa gggccactgg catcccagcc 180
aggttcagtg gcagtggtgc tgggacagac ttactctca ccatcagcag cctagagcct 240
gaagattttg cagtttatta ctgtcagcag gtccacaatt tccctctcac ttttggcgga 300

gggaccaagg ttgagatcaa a 321

<210> 243
<211> 381
<212> DNA
<213> Homo sapiens

<400> 243
gaagtccagc tgggtggaatc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60
tcctgtgcag cgtctggatt caccttcgag agctatggca tggtttgggt ccgccaggcc 120
ccaggcaagg ggctggagtg ggtggcatcg atattgtatg atggaagtaa tagatactat 180
gcagactccg tgaagggccg attcaccgtc tccagagaca attccaagaa cacgctgtat 240
ctgcaaatga acagcctgag agccgaggac acggcggtgt actactgcgc tagagtatct 300
tactactacg acagcgttga gctacgatgg gcagaatact tccaacactg gggacagggt 360
acattgggtca ccgtctcctc a 381

<210> 244
<211> 321
<212> DNA
<213> Homo sapiens

<400> 244
gaaatttgtt tgacacagtc tccagccacc ctgtctttgt ctccagggga aagagccacc 60
ctctcctgca gggccagtca gagggttagc agctacttag cctggtacca acagaaacct 120
ggccagggtc ccaggctcct catctatgat gcatccaaaa gggccactgg catcccagcc 180
aggttcagtg gcagtgggtc tgggacagac ttcactctca ccatcagcag cctagagcct 240
gaagattttg cagtttatta ctgtcagcag gtccacaatt tccctctcac ttttggcgga 300
gggaccaagg ttgagatcaa a 321

<210> 245
<211> 363
<212> DNA
<213> Homo sapiens

<400> 245
caggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggtt 60
tcctgcaagg catctggata caccttcacc agctactata tgcactgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggagtc atcaacccta gtggtggttag cacaagctac 180

gcacagaagt tccagggcag agtcaccatg accagggaca cgtccacgag cacagtctac	240
atggagctga gcagcctgag atctgaggac acggcggtgt actactgcgc cagagaccac	300
tccgactact ggagcggaat actagacgta tggggtcagg gtacaatggt caccgtctcc	360
tca	363

<210> 246
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 246	
gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc	60
ctctcctgca gggccagtca gagtgttagg agcagctact tagcctggta ccagcagaaa	120
cctggccagg ctcccaggct cctcatctat ggtgcatcca gcagggccac tggcatccca	180
gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag	240
cctgaagatt ttgcagtgtg ttactgtcag cagtacttca gtcctccttg gacttttggc	300
ggagggacca aggttgagat caaa	324

<210> 247
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 247	
caggtgcagc tggtgcagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggtt	60
tcctgcaagg catctggata caccttcgag aagtactata tgcactgggt gcgacaggcc	120
cctggacaag ggcttgagtg gatgggagtg atcggtccta gtggtgctag cacaagctac	180
gcacagaagt tccagggcag agtcaccatg accagggaca cgtccacgag cacagtctac	240
atggagctga gcagcctgag atctgaggac acggcggtgt actactgcgc cagagaccac	300
tccgactact ggagcggaat actacattcg tggggtcagg gtacaatggt caccgtctcc	360
tca	363

<210> 248
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 248
gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc 60
ctctcctgca gggccagtca gagtgttagg agcagctact tagcctggta ccagcagaaa 120
cctggccagg ctcccaggct cctcatctat ggtgcatcca gcagggccac tggcatccca 180
gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag 240
cctgaagatt ttgcagtgta ttactgtcag cagtacttca gtcctccttg gacttttggc 300
ggagggacca aggttgagat caaa 324

<210> 249
<211> 363
<212> DNA
<213> Homo sapiens

<400> 249
caggtgcagc tggtgcagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggtt 60
tcctgcaagg catctggata caccttcact agctactata tgcactgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggagtg atcggtccta gtggtgctag cacaagctac 180
gcacagaagt tccagggcag agtcaccttg accagggaca cgtccacgag cacagtctac 240
atggagctga gcagcctgag atctgaggac acggcgggtgt actactgcgc cagagaccac 300
tccgactact ggagcggaat aatggaggta tggggtcagg gtacaatggt caccgtctcc 360
tca 363

<210> 250
<211> 324
<212> DNA
<213> Homo sapiens

<400> 250
gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc 60
ctctcctgca gggccagtca gagtgttagg agcagctact tagcctggta ccagcagaaa 120
cctggccagg ctcccaggct cctcatctat ggtgcatcca gcagggccac tggcatccca 180
gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag 240
cctgaagatt ttgcagtgta ttactgtcag cagtacttca gtcctccttg gacttttggc 300
ggagggacca aggttgagat caaa 324

<210> 251
<211> 363
<212> DNA
<213> Homo sapiens

<400> 251
caggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggtt 60
tcctgcaagg catctggata caccttcact agctactata tgcactgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggagtg atcggtccta gtggtgctag cacaagctac 180
gcacagaagt tccagggcag agtcaccttg accagggaca cgtccacgag cacagtctac 240
atggagctga gcagcctgag atctgaggac acggcggtgt actactgcgc cagagaccac 300
tccgactact ggagcggaat aatggaggta tggggtcagg gtacaactgt caccgtctcc 360
tca 363

<210> 252
<211> 324
<212> DNA
<213> Homo sapiens

<400> 252
gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc 60
ctctcctgca gggccagtca gagtgttagg agcagctact tagcctggta ccagcagaaa 120
cctggccagg ctcccaggct cctcatctat ggtgcatcca gcagggccac tggcatccca 180
gacagggttca gtggcagtggt gtctgggaca gacttcactc tcaccatcag cagactggag 240
cctgaagatt ttgcagtgtta ttactgtcag cagtacttca gtcctccttg gacttttggc 300
ggagggacca aggttgagat caaa 324

<210> 253
<211> 372
<212> DNA
<213> Homo sapiens

<400> 253
caggtgcagc tgcaggagtc gggcccagga ctggtgaagc cttcggagac cctgtccctc 60
acctgcgctg tctctgggta ctccatcagc agtgggttact actgggcttg gatccggcag 120
cccccaggga aggggctgga gtggattggg agtatctatc atagtgggag cacctactac 180
aaccctgtccc tcaagagtcg agtcaccata tcagtagaca cgtccaagaa ccagttctcc 240

ctgaagctga gttctgtgac cgccgcagac acggcgggtgt actactgcgc catagaagga	300
gctaactact acgacttcgg atatgtagca ttcgacatat ggggtcaggg tacaatggtc	360
accgtctcct ca	372

<210> 254
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 254	
gaaatagtga tgacgcagtc tccagccacc ctgtctgtgt ctccagggga aagagccacc	60
ctctcctgca gggccagtca gagggttagc agcaacttag cctgggtacca gcagaaacct	120
ggccagggtc ccaggctcct catctatggg gcatccacca gggccactgg tatcccagcc	180
aggttcagtg gcagtgggtc tgggacagag ttcactctca ccatcagcag cctgcagtct	240
gaagattttg cagtttatta ctgtcagcag tccccccctt ggcctaggac ttttggcgga	300
gggaccaagg ttgagatcaa a	321

<210> 255
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 255	
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acctgcactg tctctgggtg ctccatcagc agtgggagtt actacttggc gtggatccgc	120
cagccccag ggaaggggct ggagtggatt gggagtatct ttcggagtgg gagcacctac	180
tacaaccgt ccctcgagag tcgagtcacc atatcggtag acacgtcaa gaaccagttc	240
tccctgaagc tgagttctgt gaccgccgca gacacggcgg tgtactactg cgccatagaa	300
ggagctaact ttaaggactt cggatatgta gcattcgaca tatgggggtca ggggtacaatg	360
gtcaccgtct cctca	375

<210> 256
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 256

gaaatagtga tgacgcagtc tccagccacc ctgtctgtgt ctccagggga aagagccacc	60
ctctcctgca gggccagtca gagggttagc agcaacttag cctggtacca gcagaaacct	120
ggccaggctc ccaggctcct catctatggg gcatccacca gggccactgg tatcccagcc	180
aggttcagtg gcagtgggtc tgggacagag ttcactctca ccatcagcag cctgcagtct	240
gaagattttg cagtttatta ctgtcagcag tccccccctt ggcctaggac ttttggcgga	300
gggaccaagg ttgagatcaa a	321

<210> 257
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 257	
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acctgcactg tctctggtgg ctccatcagc agtagtaggt actactgggc gtggatccgc	120
cagccccag ggaaggggct ggagtggatt gggagtatcg ggacgagtgg gagcacctac	180
tacaaccgt ccctcaagag tcgagtcacc atatccgtag acacgtccaa gaaccagttc	240
tccctgaagc tgagttctgt gaccgccaca gacacggcgg tgtactactg cgccatagaa	300
ggagctaact ttcgggactt cggatatgta gcattcgaca tatgggggtca gggatcaatg	360
gtcaccgtct cctca	375

<210> 258
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 258	
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ctctcctgca gggccagtca gagggttagc agcaacttag cctggtacca gcagaaacct	120
ggccaggctc ccaggctcct catctatggg gcatccacca gggccactgg tatcccagcc	180
aggttcagtg gcagtgggtc tgggacagag ttcactctca ccatcagcag cctgcagtct	240
gaagattttg cagtttatta ctgtcagcag tccccccctt ggcctaggac ttttggcgga	300
gggaccaagg ttgagatcaa a	321

<210> 259

<211> 366
<212> DNA
<213> Homo sapiens

<400> 259
caggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggtac agcaaactac 180
gcacagaagt tccagggcag agtcacgatt accgcggacg aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggcggtgt actactgcgc taggttgcac 300
ctgggatcca gcgcctacta cggcatggat gtatggggcc agggaacaac tgtcaccgtc 360
tcctca 366

<210> 260
<211> 321
<212> DNA
<213> Homo sapiens

<400> 260
gacatccaga tgaccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc 60
atcacttgcc gggcaagtca gagcattagc agctatttaa attggtatca gcagaaacca 120
gggaaagccc ctaagctcct gatctatgct gcatccagtt tgcaaagtgg ggtcccatca 180
aggttcagtg gcagtggatc tgggacagat ttactctca ccatcagcag tctgcaacct 240
gaagattttg caacttacta ctgtcagcaa agatacgtct tccctcctac ttttggcgga 300
gggaccaagg ttgagatcaa a 321

<210> 261
<211> 366
<212> DNA
<213> Homo sapiens

<400> 261
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tcctgcaagg cttctggagg caccttcag aactatgcta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggagtt atcgtgccta tctttggtac agcaaactac 180
gcacagaagt tccagggcag agtcacggtt accgcggacg aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggcggtgt actactgcgc taggttgcac 300

ctgggacaga aggcctacta cggcatggat gtatggggcc agggaacaac tgtcaccgtc	360
tcctca	366

<210> 262
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 262	
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gggaaagccc ctaagctcct gatctatgct gcatccagtt tgcaaagtgg ggtcccatca	180
aggttcagtg gcagtggatc tgggacagat ttactctca ccatcagcag tctgcaacct	240
gaagattttg caacttacta ctgtcagcaa agatacgtct tccctcctac ttttggcgga	300
gggaccaagg ttgagatcaa a	321

<210> 263
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 263	
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ccagggaagg gcctggagtg ggtctcaggt attacttgga atagtggtag cataggctat	180
gcggactctg tgaagggccg attcaccatc tccagagaca acgccaagaa ctccctgtat	240
ctgcaaataa acagtctgag agctgaggac acggcgttgt actactgcgc caagccagtg	300
ccaaaatcta gaggcctaga cgtatggggg cagggtacaa tggtcaccgt ctcctca	357

<210> 264
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 264	
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gggaaagccc ctaagctcct gatctatggg gcatccagtt tgcaaagtgg ggtcccatca	180
aggttcagcg gcagtggatc tgggacagat ttcactctca ccatcagcag cctgcagcct	240
gaagattttg caacttatta ctgtcagcag gcattctacc tcccttggac ttttggcgga	300
gggaccaagg ttgagatcaa a	321

<210> 265
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 265	
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ccagggaagg gcctggagtg ggtctcaggt attacttggga atagtggttt gataggctat	180
gcggactctg tgaagggccg attcaccatc tccagagaca acgccaagaa ctccctgtat	240
ctgcaaatga acagtctgag agctgaggac acggcgttgt actactgcgc caagccagtg	300
ccacgtttga gaggcctaga cgtatggggg cagggtacaa tggtcaccgt ctcctca	357

<210> 266
 <211> 321
 <212> DNA
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<400> 266	
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gggaaagccc ctaagctcct gatctatggg gcatccagtt tgcaaagtgg ggtcccatca	180
aggttcagcg gcagtggatc tgggacagat ttcactctca ccatcagcag cctgcagcct	240
gaagattttg caacttatta ctgtcagcag gcattctacc tcccttggac ttttggcgga	300
gggaccaagg ttgagatcaa a	321

<210> 267
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 267	
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tcctgtgcag cgtctggatt caccttcggg agctattata tgcactgggt ccgccaggct	120
ccaggcaagg ggctggagtg ggtggcagtt atatggcctg atggaagtaa taaactgtat	180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat	240
ctgcaaatga acagcctgag agccgaggac acggcgttgt actactgcgc caagccagtg	300
ccaaaatcta gagcgcttga cgtatggggg cagggtacaa tggtcaccgt ctcctca	357

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 <211> 321
 <212> DNA
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gggaaagccc ctaagctcct gatctatggg gcatccagtt tgcaaagtgg ggtcccatca	180
aggttcagcg gcagtggatc tgggacagat ttcactctca ccatcagcag cctgcagcct	240
gaagattttg caacttatta ctgtcagcag gcattctacc tcccttggac ttttggcgga	300
gggaccaagg ttgagatcaa a	321

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<400> 269	
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ccaggcaagg ggctggagtg ggtggcagtt ataggtgcgg atggaagtaa taaatactat	180
gcagactccg tggagggccg attcaccatc tccagagaca attccaagaa cacgctgtat	240
ctgcaaatga acagcctgag agctgaggac acggcgttgt actactgcgc caagccagtg	300
ccacggcgta gaggcctaga cgtatggggg cagggtacaa tggtcaccgt ctcctca	357

<210> 270
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 <212> DNA
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<400> 270
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gggaaagccc ctaagctcct gatctatggc gcatccagtt tgcaaagtgg ggtcccatca 180
aggttcagcg gcagtggatc tgggacagat ttcactctca ccatcagcag cctgcagcct 240
gaagattttg caacttatta ctgtcagcag gcattctacc tcccttggac ttttggcgga 300
gggaccaagg ttgagatcaa a 321

<210> 271
<211> 11
<212> PRT
<213> Homo sapiens

<400> 271
Gly Ser Ile Ser Ser Gly Ser Tyr Tyr Leu Ala
1 5 10

<210> 272
<211> 16
<212> PRT
<213> Homo sapiens

<400> 272
Ser Ile Phe Arg Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu Glu Ser
1 5 10 15

<210> 273
<211> 17
<212> PRT
<213> Homo sapiens

<400> 273
Ala Ile Glu Gly Ala Asn Phe Lys Asp Phe Gly Tyr Val Ala Phe Asp
1 5 10 15

Ile

<210> 274
<211> 11

<212> PRT
<213> Homo sapiens

<400> 274

Gly Ser Ile Ser Ser Gly Ser Tyr Tyr Leu Ala
1 5 10

<210> 275
<211> 16
<212> PRT
<213> Homo sapiens

<400> 275

Ser Ile Phe Arg Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu Glu Ser
1 5 10 15

<210> 276
<211> 17
<212> PRT
<213> Homo sapiens

<400> 276

Ala Ile Glu Gly Ala Asn Phe Lys Asp Phe Gly Tyr Val Ala Phe Asp
1 5 10 15

Ile

<210> 277
<211> 11
<212> PRT
<213> Homo sapiens

<400> 277

Gly Ser Ile Ser Ser Gly Ser Tyr Tyr Leu Ala
1 5 10

<210> 278
<211> 16
<212> PRT
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<400> 278

Ser Ile Phe Arg Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu Glu Ser

1 5 10 15

<210> 279
<211> 17
<212> PRT
<213> Homo sapiens

<400> 279

Ala Ile Glu Gly Ala Asn Phe Lys Asp Phe Gly Tyr Val Ala Phe Asp
1 5 10 15

Ile

<210> 280
<211> 9
<212> PRT
<213> Homo sapiens

<400> 280

Gly Thr Phe Ser Ser Tyr Ala Ile Ser
1 5

<210> 281
<211> 17
<212> PRT
<213> Homo sapiens

<400> 281

Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln
1 5 10 15

Gly

<210> 282
<211> 13
<212> PRT
<213> Homo sapiens

<400> 282

Ala Arg Glu Ala Gln Ser Tyr Arg Val Pro Phe Asp Ile
1 5 10

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

<400> 283

Arg Ala Ser Gln Ser Val Ser Ser Asn Leu Ala
1 5 10

<210> 284
<211> 7
<212> PRT
<213> Homo sapiens

<400> 284

Gly Ala Ser Thr Arg Ala Thr
1 5

<210> 285
<211> 9
<212> PRT
<213> Homo sapiens

<400> 285

Gln Gln Ser Pro Pro Trp Pro Arg Thr
1 5

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

<400> 286

Arg Ala Ser Gln Ser Val Ser Ser Tyr Leu Ala
1 5 10

<210> 287
<211> 7
<212> PRT
<213> Homo sapiens

<400> 287

Asp Ala Ser Asn Arg Ala Thr
1 5

<210> 288
<211> 9
<212> PRT
<213> Homo sapiens

<400> 288

Gln Gln Glu Asn Pro Arg Pro Arg Thr
1 5

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

<400> 289

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

<210> 290
<211> 7
<212> PRT
<213> Homo sapiens

<400> 290

Phe Ala Ser Thr Arg Ala Thr
1 5

<210> 291
<211> 9
<212> PRT
<213> Homo sapiens

<400> 291

Gln Gln Thr Ser Pro Trp Pro Arg Thr
1 5

<210> 292
<211> 11
<212> PRT
<213> Homo sapiens

<400> 292

Arg Ala Ser Gln Ser Val Ser Ser Asn Leu Ala

1 5 10

<210> 293
<211> 7
<212> PRT
<213> Homo sapiens

<400> 293

Gly Ala Ser Thr Arg Ala Thr
1 5

<210> 294
<211> 10
<212> PRT
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<400> 294

Gln Gln Tyr Ala Ile Trp Pro Pro Phe Thr
1 5 10

<210> 295
<211> 26
<212> PRT
<213> Homo sapiens

<400> 295

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

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly
20 25

<210> 296
<211> 14
<212> PRT
<213> Homo sapiens

<400> 296

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

<210> 297
<211> 30
<212> PRT

<213> Homo sapiens

<400> 297

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

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

<210> 298

<211> 11

<212> PRT

<213> Homo sapiens

<400> 298

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

<210> 299

<211> 26

<212> PRT

<213> Homo sapiens

<400> 299

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

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly
20 25

<210> 300

<211> 14

<212> PRT

<213> Homo sapiens

<400> 300

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

<210> 301

<211> 30

<212> PRT

<213> Homo sapiens

<400> 301

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

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

<210> 302

<211> 11

<212> PRT

<213> Homo sapiens

<400> 302

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

<210> 303

<211> 26

<212> PRT

<213> Homo sapiens

<400> 303

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

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly
20 25

<210> 304

<211> 14

<212> PRT

<213> Homo sapiens

<400> 304

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

<210> 305

<211> 30

<212> PRT

<213> Homo sapiens

<400> 305

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

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

<210> 306
<211> 11
<212> PRT
<213> Homo sapiens

<400> 306

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

<210> 307
<211> 26
<212> PRT
<213> Homo sapiens

<400> 307

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
20 25

<210> 308
<211> 14
<212> PRT
<213> Homo sapiens

<400> 308

Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1 5 10

<210> 309
<211> 30
<212> PRT
<213> Homo sapiens

<400> 309

Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr Met Glu
1 5 10 15

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

<210> 310
<211> 11
<212> PRT
<213> Homo sapiens

<400> 310

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

<210> 311
<211> 23
<212> PRT
<213> Homo sapiens

<400> 311

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

Glu Arg Ala Thr Leu Ser Cys
20

<210> 312
<211> 15
<212> PRT
<213> Homo sapiens

<400> 312

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

<210> 313
<211> 32
<212> PRT
<213> Homo sapiens

<400> 313

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

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 314
<211> 10
<212> PRT
<213> Homo sapiens

<400> 314

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 315
<211> 23
<212> PRT
<213> Homo sapiens

<400> 315

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
20

<210> 316
<211> 15
<212> PRT
<213> Homo sapiens

<400> 316

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

<210> 317
<211> 32
<212> PRT
<213> Homo sapiens

<400> 317

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

Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 318
<211> 10
<212> PRT
<213> Homo sapiens

<400> 318

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 319
<211> 23
<212> PRT
<213> Homo sapiens

<400> 319

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

Glu Arg Ala Thr Leu Ser Cys
20

<210> 320
<211> 15
<212> PRT
<213> Homo sapiens

<400> 320

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

<210> 321
<211> 32
<212> PRT
<213> Homo sapiens

<400> 321

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

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 322
<211> 10
<212> PRT
<213> Homo sapiens

<400> 322

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 323
<211> 23
<212> PRT
<213> Homo sapiens

<400> 323

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

Glu Arg Ala Thr Leu Ser Cys
20

<210> 324
<211> 15
<212> PRT
<213> Homo sapiens

<400> 324

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

<210> 325
<211> 32
<212> PRT
<213> Homo sapiens

<400> 325

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

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 326
<211> 10

<212> PRT
<213> Homo sapiens

<400> 326

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 327
<211> 125
<212> PRT
<213> Homo sapiens

<400> 327

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

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

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

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

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

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

Cys Ala Ile Glu Gly Ala Asn Phe Lys Asp Phe Gly Tyr Val Ala Phe
100 105 110

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

<210> 328
<211> 107
<212> PRT
<213> Homo sapiens

<400> 328

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val 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

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

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

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

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

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

<210> 329
<211> 125
<212> PRT
<213> Homo sapiens

<400> 329

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

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

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

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

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

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

Cys Ala Ile Glu Gly Ala Asn Phe Lys Asp Phe Gly Tyr Val Ala Phe
100 105 110

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

<210> 330
<211> 107
<212> PRT
<213> Homo sapiens

<400> 330

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 Glu Asn Pro Arg Pro Arg
85 90 95

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

<210> 331
<211> 125
<212> PRT
<213> Homo sapiens

<400> 331

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

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

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

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

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

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

Cys Ala Ile Glu Gly Ala Asn Phe Lys Asp Phe Gly Tyr Val Ala Phe
100 105 110

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

<210> 332

<211> 107

<212> PRT

<213> Homo sapiens

<400> 332

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

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Lys Ser Val Ser Ser Asn
20 25 30

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

Tyr Phe Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly

50

55

60

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

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

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

<210> 333
<211> 120
<212> PRT
<213> Homo sapiens

<400> 333

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

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

Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 334
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 334

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val 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

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

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

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

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

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

<210> 335
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 335

cagctgcagc tgcaggagtc gggcccagga ctggtgaagc cttcgagac cctgtccctc	60
acctgcactg tctctggtgg ctccatcagc agtgggagtt actacttggc gtggatccgc	120
cagccccag ggaaggggct ggagtggatt gggagtatct ttcggagtgg gagcacctac	180
tacaacccgt ccctcgagag tcgagtcacc atatcggtag acacgtccaa gaaccagttc	240
tccctgaagc tgagttctgt gaccgccgca gacacggcgg tgtactactg cgccatagaa	300
ggagctaact ttaaggactt cggatatgta gcattcgaca tatgggggtca gggtacaact	360
gtcaccgtct cctca	375

<210> 336
<211> 321
<212> DNA
<213> Homo sapiens

<400> 336
gaaatagtga tgacgcagtc tccagccacc ctgtctgtgt ctccagggga aagagccacc 60
ctctcctgca gggccagtca gagggttagc agcaacttag cctggtacca gcagaaacct 120
ggccaggctc ccaggctcct catctatggt gcatccacca gggccactgg tatcccagcc 180
aggttcagtg gcagtgggtc tgggacagag ttcactctca ccatcagcag cctgcagtct 240
gaagattttg cagtttatta ctgtcagcag tccccccctt ggcctaggac ttttggcgga 300
gggaccaagg ttgagatcaa a 321

<210> 337
<211> 375
<212> DNA
<213> Homo sapiens

<400> 337
cagctgcagc tgcaggagtc gggcccagga ctggtgaagc cttcggagac cctgtccctc 60
acctgcactg tctctggtgg ctccatcagc agtgggagtt actacttggc gtggatccgc 120
cagccccag ggaaggggct ggagtggatt gggagtatct ttcggagtgg gaggacctac 180
tacaaccctg ccctcgagag tcgagtcacc atatcggtag acacgtccaa gaaccagttc 240
tccctgaagc tgagttctgt gaccgccgca gacacggcgg tgtactactg cgccatagaa 300
ggagctaact ttaaggactt cggatatgta gcattcgaca tatgggggtca gggtacaact 360
gtcaccgtct cctca 375

<210> 338
<211> 321
<212> DNA
<213> Homo sapiens

<400> 338
gaaattgtgt tgacacagtc tccagccacc ctgtctttgt ctccagggga aagagccacc 60
ctctcctgca gggccagtca gagggttagc agctacttag cctggtacca acagaaacct 120
ggccaggctc ccaggctcct catctatgat gcatccaaca gggccactgg catcccagcc 180

aggttcagtg gcagtgggtc tgggacagac ttcactctca ccatcagcag cctagagcct	240
gaagattttg cagtttatta ctgtcagcag gaaaaccca ggcctaggac ttttggcgga	300
gggaccaagg ttgagatcaa a	321

<210> 339
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 339	
cagctgcagc tgcaggagtc gggcccagga ctggtgaagc cttcggagac cctgtccctc	60
acctgcactg tctctggtgg ctccatcagc agtgggagtt actacttggc gtggatccgc	120
cagccccag ggaaggggct ggagtggatt gggagtatct ttcggagtgg gagcacctac	180
tacaacccgt ccctcgagag tcgagtcacc atatcggtag acacgtcaa gaaccagttc	240
tccctgaagc tgagttctgt gaccgccgca gacacggcgg tgtactactg cgccatagaa	300
ggagctaact ttaaggactt cggatatgta gcattcgaca tatgggggtca ggggtacaact	360
gtcaccgtct cctca	375

<210> 340
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 340	
gaaatagtga tgacgcagtc tccagccacc ctgtctgtgt ctccagggga aagagccacc	60
ctctcctgca gggccagtaa aagtgtttcc agcaacttag cctggtacca gcagaaacct	120
ggccaggctc ccaggctcct catctatttc gcatccacca gggccaccgg tatcccagcc	180
aggttcagtg gcagtgggtc tgggacagag ttcactctca ccatcagcag cctgcagtct	240
gaagattttg cagtttatta ctgtcagcag acttcgccct ggcctaggac ttttggcgga	300
gggaccaagg ttgagatcaa a	321

<210> 341
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 341	
caggtgcagc tggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc	60

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

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

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

Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 344
<211> 113
<212> PRT
<213> Rattus norvegicus

<400> 344

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

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

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

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

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

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

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

Lys

<210> 345
<211> 130
<212> PRT
<213> Mus musculus

<400> 345

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

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

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

Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser
50 55 60

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

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

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

Tyr Phe Phe Gly Val Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val
115 120 125

Ser Ser
130

<210> 346
<211> 109
<212> PRT
<213> Mus musculus

<400> 346

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

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

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

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

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

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

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

<210> 347
<211> 119
<212> PRT
<213> Mus musculus

<400> 347

Glu 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 Thr Phe Ser Ser Tyr
20 25 30

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

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

Gln Gly Arg Val Thr Leu Thr Ser Asp Lys Ser Thr Ser Thr Val 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 Gly Gly Pro Tyr Gly Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
115

<210> 348
<211> 107
<212> PRT
<213> Mus musculus

<400> 348

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 Glu His Ile Tyr Ser Tyr
20 25 30

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

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

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

<210> 349
<211> 118
<212> PRT
<213> Mus musculus

<400> 349

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

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

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

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

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

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

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

Leu Val Thr Val Ser Ser
115

<210> 350
<211> 99
<212> PRT
<213> Mus musculus

<400> 350

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 Lys Ala Ser Gln Asp Val Ser Thr Ala
20 25 30

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

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

Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Pro

65					70						75				80
Glu	Asp	Ile	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	His	Tyr	Ser	Thr	Pro	Trp
				85					90					95	

Thr Phe Gly

<210> 351
 <211> 119
 <212> PRT
 <213> Mus musculus

<400> 351

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

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

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

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

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

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

Ala	Arg	Met	Arg	Leu	Asp	Tyr	Tyr	Ala	Met	Asp	Tyr	Trp	Gly	Gln	Gly
			100					105					110		

Thr	Ser	Val	Thr	Val	Ser	Ser
						115

<210> 352
 <211> 107
 <212> PRT
 <213> Mus musculus

<400> 352

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

Glu Thr Ile Thr Ile Asn Cys Arg Ala Ser Lys Ser Ile Ser Lys Tyr
20 25 30

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

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

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

Glu Asp Phe Ala Met Tyr Tyr Cys Gln Gln His Asn Glu Tyr Pro Trp
85 90 95

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

<210> 353

<211> 9

<212> PRT

<213> Homo sapiens

<400> 353

Gly Thr Phe Ser Ser Tyr Leu Ile Ser
1 5

<210> 354

<211> 17

<212> PRT

<213> Homo sapiens

<400> 354

Gly Ile Tyr Pro Ile Phe Ala Thr Ala Asn Tyr Ala Gln Lys Phe Gln
1 5 10 15

Gly

<210> 355
<211> 13
<212> PRT
<213> Homo sapiens

<400> 355

Ala Arg Glu Ala Gln Ser Tyr Arg Val Pro Phe Asp Ile
1 5 10

<210> 356
<211> 11
<212> PRT
<213> Homo sapiens

<400> 356

Arg Ala Ser Gln Ser Val Ser Ser Asn Leu Ala
1 5 10

<210> 357
<211> 7
<212> PRT
<213> Homo sapiens

<400> 357

Gly Ala Ser Thr Arg Ala Thr
1 5

<210> 358
<211> 10
<212> PRT
<213> Homo sapiens

<400> 358

Gln Gln Tyr Ala Ile Trp Pro Pro Phe Thr
1 5 10

<210> 359
<211> 26
<212> PRT
<213> Homo sapiens

<400> 359

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
20 25

<210> 360
<211> 14
<212> PRT
<213> Homo sapiens

<400> 360

Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1 5 10

<210> 361
<211> 30
<212> PRT
<213> Homo sapiens

<400> 361

Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr Met Glu
1 5 10 15

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

<210> 362
<211> 11
<212> PRT
<213> Homo sapiens

<400> 362

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

<210> 363
<211> 23
<212> PRT
<213> Homo sapiens

<400> 363

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

Glu Arg Ala Thr Leu Ser Cys
20

<210> 364
<211> 15
<212> PRT
<213> Homo sapiens

<400> 364

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

<210> 365
<211> 32
<212> PRT
<213> Homo sapiens

<400> 365

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

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 366
<211> 10
<212> PRT
<213> Homo sapiens

<400> 366

Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 367
<211> 120
<212> PRT
<213> Homo sapiens

<400> 367

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

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

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

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

Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 368
<211> 108
<212> PRT
<213> Homo sapiens

<400> 368

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val 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

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

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

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

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

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

<210> 369
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 369	
caggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggctc	60
tcctgcaagg cttctggagg caccttcagc agctacctca tcagctgggt gcgacaggcc	120
cctggacaag ggcttgagtg gatgggaggg atctacccta tcttcgcaac agcaaactac	180
gcacagaagt tccagggcag agtcacgatt accgcggacg aatccacgag cacagcctac	240
atggagctga gcagcctgag atctgaggac acggcggtgt actactgcgc cagagaggct	300
caatcctaca gggttccatt cgacatatgg ggtcagggta caatggtcac cgtctcctca	360

<210> 370
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 370	
gaaatagtga tgacgcagtc tccagccacc ctgtctgtgt ctccagggga aagagccacc	60
ctctcctgca gggccagtca gagtgttagc agcaacttag cctggtacca gcagaaacct	120
ggccaggctc ccaggctcct catctatggg gcatccacca gggccactgg tatcccagcc	180
aggttcagtg gcagtgggtc tgggacagag ttcactctca ccatcagcag cctgcagtct	240
gaagattttg cagtttatta ctgtcagcag tacgccatct ggcctccttt cacttttggc	300
ggagggacca aggttgagat caaa	324

<210> 371
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 371

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

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

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

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

Glu 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 Pro Val Pro Arg Arg Arg Gly Leu Asp Val Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
115

<210> 372
<211> 471
<212> PRT
<213> Homo sapiens

<400> 372

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

Val His Ser Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys
20 25 30

Pro Gly Glu Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe
35 40 45

Thr Gly Tyr Trp Ile Ala Trp Val Arg Gln Met Pro Gly Lys Gly Leu
50 55 60

Glu Trp Met Gly Ile Ile Tyr Pro Gly Asn Ser Asp Thr Arg Tyr Ser
65 70 75 80

Pro Ser Phe Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser
85 90 95

Thr Ala Tyr Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met
100 105 110

Tyr Tyr Cys Ala Arg Val Ser Gly Val Gly Ser Ile Trp Met Ala Phe
115 120 125

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr
130 135 140

Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser
145 150 155 160

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

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

Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser
195 200 205

Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys
210 215 220

Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu
225 230 235 240

Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro
245 250 255

Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
260 265 270

Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val

275

280

285

Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp
 290 295 300

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr
 305 310 315 320

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
 325 330 335

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu
 340 345 350

Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
 355 360 365

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys
 370 375 380

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
 385 390 395 400

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
 405 410 415

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
 420 425 430

Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser
 435 440 445

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
 450 455 460

Leu Ser Leu Ser Pro Gly Lys
 465 470

<210> 373

<211> 235

<212> PRT

<213> Homo sapiens

<400> 373

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

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

Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile
35 40 45

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

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

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

Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gly Ser Tyr Asp
100 105 110

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

Leu Gly Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser
130 135 140

Ser Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser
145 150 155 160

Asp Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser
165 170 175

Pro Val Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn
180 185 190

Asn Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp
195 200 205

Lys Ser His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr
210 215 220

Val Glu Lys Thr Val Ala Pro Thr Glu Cys Ser
225 230 235