SEQUENCE LISTING

<110> Bayer Healthcare

<120> Anti-Mesothelin Antibodies and Uses Thereof

<130> BHC 07 1 093

<160> 371

<170> PatentIn version 3.4

<210> 1
<211> 10
<212> PRT
<213> Homo sapiens

<400> 1

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

<210> 2
<211> 10
<212> PRT
<213> Homo sapiens

<400> 2

Gly Phe Thr Phe Ser Asp Tyr Ala Met Ser
1 5 10

<210> 3
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3

Gly Tyr Thr Phe Thr Gly Asn Tyr Ile Asn
1 5 10

<210> 4
<211> 10
<212> PRT
<213> Homo sapiens

<400> 4

Gly Gly Thr Phe Ser Ser Tyr Tyr Phe Ser
1 5 10

<210> 5
<211> 10
<212> PRT
<213> Homo sapiens

<400> 5

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

<210> 6
<211> 10
<212> PRT
<213> Homo sapiens

<400> 6

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

<210> 7
<211> 10
<212> PRT
<213> Homo sapiens

<400> 7

Gly Phe Thr Phe Ser Ser Tyr Gly Met Ser
1 5 10

<210> 8
<211> 10
<212> PRT
<213> Homo sapiens

<400> 8

Gly Phe Thr Phe Ser Asn Ser Trp Met Ser
1 5 10

<210> 9
<211> 10
<212> PRT
<213> Homo sapiens

<400> 9

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

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

<400> 10

Gly Tyr Thr Phe Thr Ser Tyr Ala Leu His
1 5 10

<210> 11
<211> 12

<212> PRT
<213> Homo sapiens

<400> 11

Gly Asp Ser Val Ser Ser Arg Ser Ala Ala Trp Gly
1 5 10

<210> 12
<211> 10
<212> PRT
<213> Homo sapiens

<400> 12

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

<210> 13
<211> 10
<212> PRT
<213> Homo sapiens

<400> 13

Gly Phe Thr Phe Ser Ser Tyr Ala Met Asn
1 5 10

<210> 14
<211> 10
<212> PRT
<213> Homo sapiens

<400> 14

Gly Tyr Thr Phe Thr Ile Tyr Asp Met His
1 5 10

<210> 15
<211> 12
<212> PRT
<213> Homo sapiens

<400> 15

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

<210> 16
<211> 9
<212> PRT
<213> Homo sapiens

<400> 16

Gly Tyr Ser Phe Asn Thr Ser Trp Ile

1 5

<210> 17
<211> 12
<212> PRT
<213> Homo sapiens

<400> 17

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

<210> 18
<211> 10
<212> PRT
<213> Homo sapiens

<400> 18

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

<210> 19
<211> 12
<212> PRT
<213> Homo sapiens

<400> 19

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

<210> 20
<211> 10
<212> PRT
<213> Homo sapiens

<400> 20

Gly Phe Thr Phe Ser Thr Tyr Ala Met Ser
1 5 10

<210> 21
<211> 10
<212> PRT
<213> Homo sapiens

<400> 21

Gly Phe Thr Phe Ser Arg Tyr Ala Ile Ser
1 5 10

<210> 22
<211> 10
<212> PRT
<213> Homo sapiens

<400> 22

Gly Gly Thr Phe Ser Ser Tyr Tyr Ile Ser
1 5 10

<210> 23
<211> 10
<212> PRT
<213> Homo sapiens

<400> 23

Gly Gly Thr Phe Ser Ser His Ala Ile Ser
1 5 10

<210> 24
<211> 12
<212> PRT
<213> Homo sapiens

<400> 24

Gly Asp Ser Val Ser Ser Asn Thr Ala Ala Trp Ser
1 5 10

<210> 25
<211> 12
<212> PRT
<213> Homo sapiens

<400> 25

Gly Phe Ser Leu Ser Ser Ser Gly Val Gly Val Ser
1 5 10

<210> 26
<211> 12
<212> PRT
<213> Homo sapiens

<400> 26

Gly Asp Ser Val Ser Ser Ser Ser Ala Ala Trp Ser
1 5 10

<210> 27
<211> 9
<212> PRT
<213> Homo sapiens

<400> 27

Gly Phe Thr Phe Ser Ser His Tyr Ser
1 5

<210> 28
<211> 10
<212> PRT
<213> Homo sapiens

<400> 28

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

<210> 29
<211> 9
<212> PRT
<213> Homo sapiens

<400> 29

Gly Phe Thr Phe Ser Ser Tyr Tyr Ser
1 5

<210> 30
<211> 10
<212> PRT
<213> Homo sapiens

<400> 30

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

<210> 31
<211> 20
<212> PRT
<213> Homo sapiens

<400> 31

Trp Met Gly Val Ile Met Pro Ser Asp Ser Tyr Thr Arg Tyr Ser Pro
1 5 10 15

Ser Phe Gln Gly
20

<210> 32
<211> 20
<212> PRT
<213> Homo sapiens

<400> 32

Trp Met Gly Phe Ile Trp Pro Val Asp Ser Trp Thr Gln Tyr Ser Pro
1 5 10 15

Ser Phe Gln Gly
20

<210> 33
<211> 20
<212> PRT
<213> Homo sapiens

<400> 33

Trp Met Gly Ile Ile Trp Pro Ile Asp Ser Phe Thr Gln Tyr Ser Pro
1 5 10 15

Ser Phe Gln Gly
20

<210> 34
<211> 20
<212> PRT
<213> Homo sapiens

<400> 34

Trp Val Ser Ala Ile Met Tyr Asp Ser Ser Ser Thr Phe Tyr Ala Asp
1 5 10 15

Ser Val Lys Gly
20

<210> 35
<211> 20
<212> PRT
<213> Homo sapiens

<400> 35

Trp Met Gly Ile Ile Asn Pro His Gly Gly Asp Thr Lys Tyr Ala Gln
1 5 10 15

Lys Phe Gln Gly
20

<210> 36
<211> 20
<212> PRT
<213> Homo sapiens

<400> 36

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

Lys Phe Gln Gly
20

<210> 37
<211> 20
<212> PRT
<213> Homo sapiens

<400> 37

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

Lys Phe Gln Gly
20

<210> 38
<211> 20
<212> PRT
<213> Homo sapiens

<400> 38

Trp Met Gly Gly Ile Ile Pro Lys Phe Gly Ser Ala Asn Tyr Ala Gln
1 5 10 15

Lys Phe Gln Gly
20

<210> 39
<211> 20
<212> PRT
<213> Homo sapiens

<400> 39

Trp Met Gly Ile Ile Asp Pro Gly Asp Ser Arg Thr Arg Tyr Ser Pro
1 5 10 15

Ser Phe Gln Gly
20

<210> 40
<211> 19
<212> PRT
<213> Homo sapiens

<400> 40

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

Leu Lys Gly

<210> 41

<211> 20
<212> PRT
<213> Homo sapiens

<400> 41

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

Ser Val Lys Gly

20

<210> 42
<211> 20
<212> PRT
<213> Homo sapiens

<400> 42

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

Ser Val Lys Gly
20

<210> 43
<211> 20
<212> PRT
<213> Homo sapiens

<400> 43

Trp Met Gly Arg Ile Ile Pro Asn Phe Gly Thr Ala Asn Tyr Ala Gln
1 5 10 15

Lys Phe Gln Gly
20

<210> 44
<211> 20
<212> PRT
<213> Homo sapiens

<400> 44

Trp Met Gly Ile Ile Asn Pro Gln Asn Gly Gly Thr Asn Tyr Ala Gln
1 5 10 15

Lys Phe Gln Gly
20

<210> 45

<211> 20
<212> PRT
<213> Homo sapiens

<400> 45

Trp Met Gly Ile Ile Asp Pro Arg Glu Ser Phe Thr Arg Tyr Ser Pro
1 5 10 15

Ser Phe Gln Gly
20

<210> 46
<211> 21
<212> PRT
<213> Homo sapiens

<400> 46

Trp Leu Gly Arg Ile Gly Tyr Arg Ser Lys Trp Met Asn Asp Tyr Ala
1 5 10 15

Val Ser Val Lys Ser
20

<210> 47
<211> 20
<212> PRT
<213> Homo sapiens

<400> 47

Trp Met Gly Gly Ile Val Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln
1 5 10 15

Lys Phe Gln Gly
20

<210> 48
<211> 20
<212> PRT
<213> Homo sapiens

<400> 48

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

Ser Val Lys Gly
20

<210> 49
<211> 20
<212> PRT

<213> Homo sapiens

<400> 49

Trp Met Gly Tyr Ile Ser Pro Tyr Ser Gly Asp Thr Asn Tyr Ala Gln
1 5 10 15

Lys Phe Gln Gly
20

<210> 50
<211> 21
<212> PRT
<213> Homo sapiens

<400> 50

Trp Leu Gly Arg Ile Ser Tyr Arg Ser Arg Trp Tyr Asn Asn Tyr Ala
1 5 10 15

Val Ser Val Lys Ser
20

<210> 51
<211> 20
<212> PRT
<213> Homo sapiens

<400> 51

Trp Met Gly Ile Ile His Pro Gly His Ser Tyr Thr Arg Tyr Ser Pro
1 5 10 15

Ser Phe Gln Gly
20

<210> 52
<211> 22
<212> PRT
<213> Homo sapiens

<400> 52

Trp Leu Gly Arg Ile Tyr Tyr Arg Ser Lys Lys Trp Tyr Asn Asp Tyr
1 5 10 15

Ala Val Ser Val Lys Ser
20

<210> 53
<211> 21
<212> PRT
<213> Homo sapiens

<400> 53

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

Val Ser Val Lys Ser
20

<210> 54
<211> 20
<212> PRT
<213> Homo sapiens

<400> 54

Trp Met Gly Phe Ile Tyr Pro Asp Lys Ser Tyr Thr Asn Tyr Ser Pro
1 5 10 15

Ser Phe Gln Gly
20

<210> 55
<211> 21
<212> PRT
<213> Homo sapiens

<400> 55

Trp Leu Gly Arg Ile Tyr Tyr Arg Ser Gln Trp Tyr Asn Asp Tyr Ala
1 5 10 15

Val Ser Val Lys Ser
20

<210> 56
<211> 20
<212> PRT
<213> Homo sapiens

<400> 56

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

Ser Val Lys Gly
20

<210> 57
<211> 20
<212> PRT
<213> Homo sapiens

<400> 57

Trp Val Ser Ser Ile Ser Gly Gly Gly Ser Lys Thr Phe Tyr Ala Asp
1 5 10 15

Ser Val Lys Gly
20

<210> 58
<211> 20
<212> PRT
<213> Homo sapiens

<400> 58

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

Lys Phe Gln Gly
20

<210> 59
<211> 20
<212> PRT
<213> Homo sapiens

<400> 59

Trp Met Gly Asn Ile Met Pro Ile Phe Gly Val Ala Asn Tyr Ala Gln
1 5 10 15

Lys Phe Gln Gly
20

<210> 60
<211> 21
<212> PRT
<213> Homo sapiens

<400> 60

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

Val Ser Val Lys Ser
20

<210> 61
<211> 19
<212> PRT
<213> Homo sapiens

<400> 61

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

Leu Lys Thr

<210> 62
<211> 21
<212> PRT
<213> Homo sapiens

<400> 62

Trp Leu Gly Arg Ile Gly Gln Arg Ser Lys Trp Tyr Asn Asp Tyr Ala
1 5 10 15

Val Ser Val Lys Ser
20

<210> 63
<211> 20
<212> PRT
<213> Homo sapiens

<400> 63

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

Ser Val Lys Gly
20

<210> 64
<211> 20
<212> PRT
<213> Homo sapiens

<400> 64

Trp Met Gly Asn Ile Ile Pro Ala Phe Gly Tyr Ala Asn Tyr Ala Gln
1 5 10 15

Lys Phe Gln Gly
20

<210> 65
<211> 20
<212> PRT
<213> Homo sapiens

<400> 65

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

Ser Val Lys Gly
20

<210> 66
<211> 20
<212> PRT
<213> Homo sapiens

<400> 66

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

Ser Val Lys Gly
20

<210> 67
<211> 12
<212> PRT
<213> Homo sapiens

<400> 67

Tyr Gly His Gly Met Tyr Gly Gly Ala Leu Asp Val
1 5 10

<210> 68
<211> 12
<212> PRT
<213> Homo sapiens

<400> 68

Ile Asn Tyr Ile Tyr Lys Gly Val His Phe Asp Tyr
1 5 10

<210> 69
<211> 10
<212> PRT
<213> Homo sapiens

<400> 69

Trp His His Gly Thr Trp Ile Phe Asp Tyr
1 5 10

<210> 70
<211> 6
<212> PRT
<213> Homo sapiens

<400> 70

Arg Thr Ser Met Asp Tyr
1 5

<210> 71
<211> 11
<212> PRT
<213> Homo sapiens

<400> 71

Gly Gln Leu Tyr Gly Gly Thr Tyr Met Asp Gly
1 5 10

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

<400> 72

Pro Met Asp Asn Leu Pro Asp Ile
1 5

<210> 73
<211> 7
<212> PRT
<213> Homo sapiens

<400> 73

Tyr Leu Tyr Tyr Phe Asp Val
1 5

<210> 74
<211> 6
<212> PRT
<213> Homo sapiens

<400> 74

Thr Lys Phe Phe Ala Asn
1 5

<210> 75
<211> 6
<212> PRT
<213> Homo sapiens

<400> 75

Gly Ile Tyr Phe Ala Phe
1 5

<210> 76
<211> 11

<212> PRT
<213> Homo sapiens

<400> 76

Lys His Lys Tyr Arg Ile Gly Ser Met Asp Val
1 5 10

<210> 77
<211> 8
<212> PRT
<213> Homo sapiens

<400> 77

Tyr Met Lys Gly Gly Tyr Asp Tyr
1 5

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

<400> 78

Met Gln Gly Phe Gln Leu Asp Tyr
1 5

<210> 79
<211> 6
<212> PRT
<213> Homo sapiens

<400> 79

Thr Tyr Thr Phe Ala Val
1 5

<210> 80
<211> 7
<212> PRT
<213> Homo sapiens

<400> 80

Lys Trp Leu Phe Tyr Asp Tyr
1 5

<210> 81
<211> 5
<212> PRT
<213> Homo sapiens

<400> 81

Gly Trp Gln Asp Phe
1 5

<210> 82
<211> 14
<212> PRT
<213> Homo sapiens

<400> 82

Tyr Tyr Ser Asp His Phe Gly Leu Tyr Pro Tyr Phe Asp Tyr
1 5 10

<210> 83
<211> 18
<212> PRT
<213> Homo sapiens

<400> 83

Gly Asp Gly Gly Pro Ser Ser Gln Gly Asn Tyr Phe Gly Trp Val Tyr
1 5 10 15

Asp Val

<210> 84
<211> 12
<212> PRT
<213> Homo sapiens

<400> 84

Asn Tyr Ser Gly Pro Met Tyr Tyr Tyr Gly Asp Val
1 5 10

<210> 85
<211> 11
<212> PRT
<213> Homo sapiens

<400> 85

Gly Phe His Gly Ser Thr Met Tyr Phe Asp Val
1 5 10

<210> 86
<211> 8
<212> PRT
<213> Homo sapiens

<400> 86

Gly Leu Gly Gly Ser Phe Asp Val
1 5

<210> 87

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

<400> 87

Gly Trp Ile Thr Gly Trp Arg Ile Phe Asp Tyr
1 5 10

<210> 88
<211> 11
<212> PRT
<213> Homo sapiens

<400> 88

Lys Met Tyr Trp Trp Ser Asp Gly Phe Asp Tyr
1 5 10

<210> 89
<211> 12
<212> PRT
<213> Homo sapiens

<400> 89

Tyr Pro Gly Pro Thr Gly His Val Phe Phe Asp Ile
1 5 10

<210> 90
<211> 12
<212> PRT
<213> Homo sapiens

<400> 90

Tyr Pro Gly Pro Thr Gly His Val Phe Phe Asp Ile
1 5 10

<210> 91
<211> 6
<212> PRT
<213> Homo sapiens

<400> 91

Glu Met Arg Leu Ala Tyr
1 5

<210> 92
<211> 14
<212> PRT
<213> Homo sapiens

<400> 92

Gly Tyr His Gln Gly Leu Tyr Gly Asn His Met Phe Asp Val

1 5 10

<210> 93
<211> 8
<212> PRT
<213> Homo sapiens

<400> 93

Ile Gln Gly Trp Asn Tyr Asp Val
1 5

<210> 94
<211> 8
<212> PRT
<213> Homo sapiens

<400> 94

Ser Arg Phe Gly Tyr Phe Asp Val
1 5

<210> 95
<211> 10
<212> PRT
<213> Homo sapiens

<400> 95

Phe Val Ala Arg Leu Asn Val Phe Asp Tyr
1 5 10

<210> 96
<211> 6
<212> PRT
<213> Homo sapiens

<400> 96

Lys Phe Thr Phe Asp Val
1 5

<210> 97
<211> 10
<212> PRT
<213> Homo sapiens

<400> 97

Leu Ile Ala Thr Leu Gly Thr Phe Asp Tyr
1 5 10

<210> 98
<211> 11
<212> PRT
<213> Homo sapiens

<400> 98

Thr Ala Pro Ala Gly His Gly Val Phe Ala Asn
1 5 10

<210> 99
<211> 12
<212> PRT
<213> Homo sapiens

<400> 99

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

<210> 100
<211> 11
<212> PRT
<213> Homo sapiens

<400> 100

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

<210> 101
<211> 13
<212> PRT
<213> Homo sapiens

<400> 101

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

<210> 102
<211> 14
<212> PRT
<213> Homo sapiens

<400> 102

Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
1 5 10

<210> 103
<211> 14
<212> PRT
<213> Homo sapiens

<400> 103

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

<210> 104
<211> 11
<212> PRT
<213> Homo sapiens

<400> 104

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

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

<400> 105

Thr Gly Thr Ser Ser Asp Val Gly Ala Ser Asp Thr Val Thr
1 5 10

<210> 106
<211> 16
<212> PRT
<213> Homo sapiens

<400> 106

Arg Ser Ser Gln Ser Leu Leu His Ser Asn Gly Tyr Thr Tyr Leu Ser
1 5 10 15

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

<400> 107

Ser Gly Ser Ser Ser Asn Ile Gly Pro Asn Tyr Val Ser
1 5 10

<210> 108
<211> 12
<212> PRT
<213> Homo sapiens

<400> 108

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

<210> 109
<211> 14
<212> PRT
<213> Homo sapiens

<400> 109

Thr Gly Thr Ser Ser Asp Val Gly Gly Asn Asn Phe Val Ser
1 5 10

<210> 110
<211> 11
<212> PRT
<213> Homo sapiens

<400> 110

Arg Ala Ser Gln Thr Ile Ser Ser Ala Leu Ala
1 5 10

<210> 111
<211> 14
<212> PRT
<213> Homo sapiens

<400> 111

Thr Gly Thr Ser Ser Asp Val Gly Asn Phe Asn Tyr Val Asn
1 5 10

<210> 112
<211> 12
<212> PRT
<213> Homo sapiens

<400> 112

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

<210> 113
<211> 11
<212> PRT
<213> Homo sapiens

<400> 113

Arg Ala Ser Gln Ser Ile Asn Arg Ser Leu Thr
1 5 10

<210> 114
<211> 14
<212> PRT
<213> Homo sapiens

<400> 114

Thr Gly Thr Ser Ser Asp Ile Gly Gly Phe Asn Tyr Val Ser
1 5 10

<210> 115
<211> 11
<212> PRT

<213> Homo sapiens

<400> 115

Ser Gly Asp Asn Ile Pro Asn Phe Tyr Val His
1 5 10

<210> 116
<211> 14
<212> PRT
<213> Homo sapiens

<400> 116

Thr Gly Thr Ser Ser Asp Ile Gly Arg Tyr His Tyr Val Ser
1 5 10

<210> 117
<211> 13
<212> PRT
<213> Homo sapiens

<400> 117

Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn Ser Val Asn
1 5 10

<210> 118
<211> 14
<212> PRT
<213> Homo sapiens

<400> 118

Thr Gly Thr Ser Ser Asp Val Gly Asp Tyr Asn Tyr Val Ser
1 5 10

<210> 119
<211> 14
<212> PRT
<213> Homo sapiens

<400> 119

Thr Gly Thr Ser Ser Asp Val Gly Asp Tyr Asn Tyr Val Ser
1 5 10

<210> 120
<211> 11
<212> PRT
<213> Homo sapiens

<400> 120

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

<210> 121
<211> 11
<212> PRT
<213> Homo sapiens

<400> 121

Ser Gly Asp Asn Ile Gly Ser Lys Val Ala Thr
1 5 10

<210> 122
<211> 14
<212> PRT
<213> Homo sapiens

<400> 122

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

<210> 123
<211> 13
<212> PRT
<213> Homo sapiens

<400> 123

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

<210> 124
<211> 13
<212> PRT
<213> Homo sapiens

<400> 124

Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn Arg Val Ser
1 5 10

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

<400> 125

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

<210> 126
<211> 14
<212> PRT
<213> Homo sapiens

<400> 126

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

<210> 127
<211> 14
<212> PRT
<213> Homo sapiens

<400> 127

Thr Gly Thr Ser Ser Asp Leu Gly Gly Tyr Ser Tyr Val Ser
1 5 10

<210> 128
<211> 13
<212> PRT
<213> Homo sapiens

<400> 128

Ser Gly Ser Ser Ser Asn Ile Gly Asn Tyr Arg Val Ser
1 5 10

<210> 129
<211> 11
<212> PRT
<213> Homo sapiens

<400> 129

Leu Leu Ile Tyr Gly Ala Ser Lys Arg Ala Thr
1 5 10

<210> 130
<211> 11
<212> PRT
<213> Homo sapiens

<400> 130

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

<210> 131
<211> 11
<212> PRT
<213> Homo sapiens

<400> 131

Leu Leu Ile Tyr Asn Asp Asn Gln Arg Pro Ser
1 5 10

<210> 132
<211> 11

<212> PRT
<213> Homo sapiens

<400> 132

Leu Met Ile Tyr Ser Val Ser Lys Arg Pro Ser
1 5 10

<210> 133
<211> 11
<212> PRT
<213> Homo sapiens

<400> 133

Leu Met Ile Tyr Gly Val Asn Asn Arg Pro Ser
1 5 10

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

<400> 134

Leu Leu Ile Tyr Asn Ser Ser Thr Leu Gln Ser
1 5 10

<210> 135
<211> 11
<212> PRT
<213> Homo sapiens

<400> 135

Leu Met Ile Tyr Ala Val Asn Lys Arg Pro Ser
1 5 10

<210> 136
<211> 11
<212> PRT
<213> Homo sapiens

<400> 136

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

<210> 137
<211> 11
<212> PRT
<213> Homo sapiens

<400> 137

Leu Leu Ile His Gly Asn Ala Asn Arg Pro Ser
1 5 10

<210> 138
<211> 11
<212> PRT
<213> Homo sapiens

<400> 138

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

<210> 139
<211> 11
<212> PRT
<213> Homo sapiens

<400> 139

Leu Met Ile Tyr Tyr Gly Asp Ser Arg Pro Ser
1 5 10

<210> 140
<211> 11
<212> PRT
<213> Homo sapiens

<400> 140

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

<210> 141
<211> 11
<212> PRT
<213> Homo sapiens

<400> 141

Leu Met Ile Tyr Ser Val Ser Ser Arg Pro Ser
1 5 10

<210> 142
<211> 11
<212> PRT
<213> Homo sapiens

<400> 142

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

<210> 143
<211> 11
<212> PRT
<213> Homo sapiens

<400> 143

Leu Leu Ile Tyr Ala Ala Ser Asn Leu Gln Ser
1 5 10

<210> 144
<211> 11
<212> PRT
<213> Homo sapiens

<400> 144

Leu Met Ile Tyr Asp Val Ser Asn Arg Pro Ser
1 5 10

<210> 145
<211> 11
<212> PRT
<213> Homo sapiens

<400> 145

Leu Val Ile Tyr Glu Asp Ser Asp Arg Pro Ser
1 5 10

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

<400> 146

Val Met Ile Tyr Ser Val Ser Lys Arg Pro Ser
1 5 10

<210> 147
<211> 10
<212> PRT
<213> Homo sapiens

<400> 147

Leu Leu Ile Tyr Asn Asn Gln Arg Pro Ser
1 5 10

<210> 148
<211> 11
<212> PRT
<213> Homo sapiens

<400> 148

Leu Met Ile Tyr Arg Val Asp Asn Arg Pro Ser
1 5 10

<210> 149

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

<400> 149

Leu Leu Ile Tyr Ser Asn Ser Gln Arg Pro Ser
1 5 10

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

<400> 150

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

<210> 151
<211> 11
<212> PRT
<213> Homo sapiens

<400> 151

Leu Val Ile Tyr Tyr Asp Asn Asp Arg Pro Ser
1 5 10

<210> 152
<211> 11
<212> PRT
<213> Homo sapiens

<400> 152

Leu Met Ile Tyr Ser Val Asn Asn Arg Pro Ser
1 5 10

<210> 153
<211> 11
<212> PRT
<213> Homo sapiens

<400> 153

Leu Met Ile Tyr Ser Val Ile Ser Arg Pro Ser
1 5 10

<210> 154
<211> 11
<212> PRT
<213> Homo sapiens

<400> 154

Leu Leu Ile Tyr Asp Val Asn Lys Arg Pro Ser

1 5 10

<210> 155
<211> 11
<212> PRT
<213> Homo sapiens

<400> 155

Leu Leu Ile Tyr Gly Asn Asn Lys Arg Pro Ser
1 5 10

<210> 156
<211> 11
<212> PRT
<213> Homo sapiens

<400> 156

Leu Met Ile Tyr Asn Val Asn Lys Arg Pro Ser
1 5 10

<210> 157
<211> 11
<212> PRT
<213> Homo sapiens

<400> 157

Leu Leu Ile Tyr Lys Asn Thr Asn Arg Pro Ser
1 5 10

<210> 158
<211> 11
<212> PRT
<213> Homo sapiens

<400> 158

Leu Met Ile Tyr Asn Val Asn Asn Arg Pro Ser
1 5 10

<210> 159
<211> 11
<212> PRT
<213> Homo sapiens

<400> 159

Val Met Ile Tyr Gly Val Thr Lys Arg Pro Ser
1 5 10

<210> 160
<211> 8
<212> PRT
<213> Homo sapiens

<400> 160

Gln Gln Tyr Tyr Asp Phe Pro Pro
1 5

<210> 161
<211> 9
<212> PRT
<213> Homo sapiens

<400> 161

Gln Gln Tyr Ser His Asp Pro Ser Gly
1 5

<210> 162
<211> 8
<212> PRT
<213> Homo sapiens

<400> 162

Gln Gln Phe Tyr Ser Lys Pro Ile
1 5

<210> 163
<211> 9
<212> PRT
<213> Homo sapiens

<400> 163

Gln Gln Tyr Ser Gln Asp Pro Ser Ser
1 5

<210> 164
<211> 9
<212> PRT
<213> Homo sapiens

<400> 164

Gln Gln Trp Ser Leu Arg Ser Pro Phe
1 5

<210> 165
<211> 9
<212> PRT
<213> Homo sapiens

<400> 165

Ser Thr Tyr Asp Arg Arg Thr Phe Ser
1 5

<210> 166
<211> 10
<212> PRT
<213> Homo sapiens

<400> 166

Ser Ser Trp Asp Arg Ala Asp Gly Ser Tyr
1 5 10

<210> 167
<211> 10
<212> PRT
<213> Homo sapiens

<400> 167

Gly Ala Trp Ala His Met Ser Leu Gly Lys
1 5 10

<210> 168
<211> 10
<212> PRT
<213> Homo sapiens

<400> 168

Ala Thr Trp Asp His Ser Gln Met Gly Lys
1 5 10

<210> 169
<211> 10
<212> PRT
<213> Homo sapiens

<400> 169

Ser Ser Tyr Asp Ile Glu Ser Ala Thr Pro
1 5 10

<210> 170
<211> 8
<212> PRT
<213> Homo sapiens

<400> 170

Gln Gln Tyr Tyr Asn Phe Ser Phe
1 5

<210> 171

<211> 8
<212> PRT
<213> Homo sapiens

<400> 171

Gln Gln Arg Ser Asn Met Pro Ile
1 5

<210> 172
<211> 8
<212> PRT
<213> Homo sapiens

<400> 172

Ala Ser Arg Asp Ser Ser Ser Met
1 5

<210> 173
<211> 8
<212> PRT
<213> Homo sapiens

<400> 173

Gln Gln Tyr Tyr Asp Ser Ser Ser
1 5

<210> 174
<211> 10
<212> PRT
<213> Homo sapiens

<400> 174

Gln Ser Tyr Asp Phe Phe Thr Asn Ser Ser
1 5 10

<210> 175
<211> 8
<212> PRT
<213> Homo sapiens

<400> 175

Gln Gln Tyr Gly Ser Phe Pro Ala
1 5

<210> 176
<211> 10
<212> PRT
<213> Homo sapiens

<400> 176

Gln Ser Trp Asp Ala Pro Met Gly Met Trp
1 5 10

<210> 177
<211> 8

<212> PRT
<213> Homo sapiens

<400> 177

Gln Gln Tyr Tyr Ser Tyr Ser Val
1 5

<210> 178
<211> 9
<212> PRT
<213> Homo sapiens

<400> 178

Gly Ala Tyr Thr Thr Asp Thr Leu Ser
1 5

<210> 179
<211> 8
<212> PRT
<213> Homo sapiens

<400> 179

Gln Gln Tyr Ser Asp Ile Pro Ala
1 5

<210> 180
<211> 8
<212> PRT
<213> Homo sapiens

<400> 180

Leu Gln Val Tyr Asn Leu Pro Leu
1 5

<210> 181
<211> 10
<212> PRT
<213> Homo sapiens

<400> 181

Ser Thr Tyr Asp Asp Asp Gln Gln Asp Ala
1 5 10

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

<400> 182

Gln Ser Tyr Asp Lys Pro Thr Phe Ser Gly
1 5 10

<210> 183

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

<400> 183

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

<210> 184
<211> 7
<212> PRT
<213> Homo sapiens

<400> 184

Gln Ala Tyr Ala Ser Asn Ile
1 5

<210> 185
<211> 8
<212> PRT
<213> Homo sapiens

<400> 185

Gln Ser Trp Val Gly Pro Ser Thr
1 5

<210> 186
<211> 9
<212> PRT
<213> Homo sapiens

<400> 186

Gln Ser Tyr Asp His Asn Ser Tyr Thr
1 5

<210> 187
<211> 8
<212> PRT
<213> Homo sapiens

<400> 187

Ser Ser Trp Ala His Asp His Lys
1 5

<210> 188
<211> 10
<212> PRT
<213> Homo sapiens

<400> 188

Gln Ser Tyr Asp Gly Gln Met Ser Thr Ser
1 5 10

<210> 189
<211> 10
<212> PRT
<213> Homo sapiens

<400> 189

Ser Thr Tyr Asp His Thr Ser Ser Gly Phe
1 5 10

<210> 190
<211> 8
<212> PRT
<213> Homo sapiens

<400> 190

Ala Ser Phe Thr Phe Pro Ser Leu
1 5

<210> 191
<211> 10
<212> PRT
<213> Homo sapiens

<400> 191

Ala Ser Trp Asp Ser Val Gln Val Ser Pro
1 5 10

<210> 192
<211> 9
<212> PRT
<213> Homo sapiens

<400> 192

Ser Ala Trp Asp Leu Leu Glu Val Tyr
1 5

<210> 193
<211> 8
<212> PRT
<213> Homo sapiens

<400> 193

Ser Ala Tyr Ala Pro Ser Ala Val
1 5

<210> 194
<211> 10
<212> PRT
<213> Homo sapiens

<400> 194

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

<210> 195
<211> 10
<212> PRT
<213> Homo sapiens

<400> 195

Ser Ser Tyr Asp Tyr Val Ser Ser Asp Thr
1 5 10

<210> 196
<211> 10
<212> PRT
<213> Homo sapiens

<400> 196

Gln Thr Tyr Asp Glu His Gly Phe His Ile
1 5 10

<210> 197
<211> 10
<212> PRT
<213> Homo sapiens

<400> 197

Ser Thr Tyr Thr Gly Leu Pro Phe Thr Thr
1 5 10

<210> 198
<211> 121
<212> PRT
<213> Homo sapiens

<400> 198

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Asn Tyr
20 25 30

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

```
Gly Val Ile Met Pro Ser Asp Ser Tyr Thr Arg Tyr Ser Pro Ser Phe
    50                  55                  60

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

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95

Ala Arg Tyr Gly His Gly Met Tyr Gly Gly Ala Leu Asp Val Trp Gly
            100                 105                 110

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

<210> 199
<211> 121
<212> PRT
<213> Homo sapiens

<400> 199

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Asn Tyr
            20                  25                  30

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

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

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

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95

Ala Arg Tyr Gly His Gly Met Tyr Gly Gly Ala Leu Asp Val Trp Gly
            100                 105                 110

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

<210> 200
<211> 121

<212> PRT
<213> Homo sapiens

<400> 200

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Asn Tyr
20 25 30

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

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

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

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg Tyr Gly His Gly Met Tyr Gly Gly Ala Leu Asp Val Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 201
<211> 121
<212> PRT
<213> Homo sapiens

<400> 201

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Asn Tyr
20 25 30

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

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

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

65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg Tyr Gly His Gly Met Tyr Gly Gly Ala Leu Asp Val Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 202
<211> 121
<212> PRT
<213> Homo sapiens

<400> 202

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Asn Tyr
20 25 30

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

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

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

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg Tyr Gly His Gly Met Tyr Gly Gly Ala Leu Asp Val Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 203
<211> 121
<212> PRT
<213> Homo sapiens

<400> 203

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

```
1               5                   10                  15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Asn Tyr
            20                  25                  30

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

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

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

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95

Ala Arg Tyr Gly His Gly Met Tyr Gly Gly Ala Leu Asp Val Trp Gly
            100                 105                 110

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

<210> 204
<211> 121
<212> PRT
<213> Homo sapiens

<400> 204

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Asn Tyr
            20                  25                  30

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

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

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

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95
```

```
Ala Arg Tyr Gly His Gly Met Tyr Gly Gly Ala Leu Asp Val Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  205
<211>  121
<212>  PRT
<213>  Homo sapiens

<400>  205

Gln 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 Asp 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 Met Tyr Asp Ser Ser 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

Ala Arg Ile Asn Tyr Ile Tyr Lys Gly Val His Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  206
<211>  119
<212>  PRT
<213>  Homo sapiens

<400>  206

Gln Val Glu 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 Gly Asn
            20                  25                  30
```

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

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

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

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 207
<211> 119
<212> PRT
<213> Homo sapiens

<400> 207

```
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 Gly Asn
            20                  25                  30

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

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

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

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 208
<211> 121
<212> PRT
<213> Homo sapiens

<400> 208

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Asn Tyr
20 25 30

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

Gly Phe Ile Trp Pro Ser Asp Ser Trp Thr Ser Tyr Ser Pro Ser Phe
50 55 60

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

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg Tyr Gly His Gly Met Tyr Gly Gly Ala Leu Asp Val Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 209
<211> 119
<212> PRT
<213> Homo sapiens

<400> 209

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 Gly Asn
20 25 30

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

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

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

Thr Leu Val Thr Val Ser Ser
        115
```

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

<400> 210

```
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

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

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

Val Ser Ser
        115
```

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

<400> 211

```
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

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

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

Val Ser Ser
        115
```

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

<400> 212

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
            20                  25                  30

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

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

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

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95
```

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

Gly Thr Leu Val Thr Val Ser Ser
115 120

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

<400> 213

Gln 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 Asp 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 Met Tyr Asp Ser Ser 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

Ala Arg Ile Asn Tyr Ile Tyr Lys Gly Val His Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 214
<211> 116
<212> PRT
<213> Homo sapiens

<400> 214

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

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

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

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

Gly 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 Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Pro Met Asp Asn Leu Pro Asp Ile Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 215
<211> 116
<212> PRT
<213> Homo sapiens

<400> 215

Gln 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

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

Thr Val Ser Ser

115

<210> 216
<211> 115
<212> PRT
<213> Homo sapiens

<400> 216

Gln 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 Asn Ser
20 25 30

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

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

Val Ser Ser
115

<210> 217
<211> 115
<212> PRT
<213> Homo sapiens

<400> 217

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 Asn Tyr
20 25 30

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

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

Val Ser Ser
        115


<210>  218
<211>  120
<212>  PRT
<213>  Homo sapiens

<400>  218

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

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

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

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

Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  219
<211>  117
<212>  PRT
<213>  Homo sapiens
```

<400> 219

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Asn Tyr
            20                  25                  30

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

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

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

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95

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

Val Thr Val Ser Ser
        115
```

<210> 220
<211> 120
<212> PRT
<213> Homo sapiens

<400> 220

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

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

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

Trp Leu Gly Arg Ile Gly Tyr Arg Ser Lys Trp Met Asn Asp Tyr Ala
    50                  55                  60

Val Ser Val Lys Ser 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

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

Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 221
<211> 115
<212> PRT
<213> Homo sapiens

<400> 221

```
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 Asn Tyr
            20                  25                  30

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

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

Val Ser Ser
        115
```

<210> 222
<211> 116
<212> PRT
<213> Homo sapiens

<400> 222

```
Gln 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

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

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

Thr Val Ser Ser
        115
```

<210> 223
<211> 114
<212> PRT
<213> Homo sapiens

<400> 223

```
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 Ile Tyr
            20                  25                  30

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

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

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile 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 Gly Trp Gln Asp Phe Trp Gly Gln Gly Thr Leu Val Thr Val
            100                 105                 110
```

Ser Ser

<210> 224
<211> 126
<212> PRT
<213> Homo sapiens

<400> 224

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

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

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

Trp Leu Gly Arg Ile Ser Tyr Arg Ser Arg Trp Tyr Asn Asn Tyr Ala
50 55 60

Val Ser Val Lys Ser 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

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

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

<210> 225
<211> 126
<212> PRT
<213> Homo sapiens

<400> 225

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Asn Thr Ser
20 25 30

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

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

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

Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys Ala
                85                  90                  95

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

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


<210>  226
<211>  125
<212>  PRT
<213>  Homo sapiens

<400>  226

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

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

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

Trp Leu Gly Arg Ile Tyr Tyr Arg Ser Lys Lys Trp Tyr Asn Asp Tyr
    50                  55                  60

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

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

Val Tyr Tyr Cys Ala Arg Asn Tyr Ser Gly Pro Met Tyr Tyr Tyr Gly
            100                 105                 110

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


<210>  227
<211>  123
```

<212> PRT
<213> Homo sapiens

<400> 227

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

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

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

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

Val Ser Val Lys Ser 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

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

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

<210> 228
<211> 117
<212> PRT
<213> Homo sapiens

<400> 228

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Thr Tyr
20 25 30

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

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

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

```
Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95

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

Val Thr Val Ser Ser
        115

<210>  229
<211>  123
<212>  PRT
<213>  Homo sapiens

<400>  229

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

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

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

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

Val Ser Val Lys Ser 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

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

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

<210>  230
<211>  120
<212>  PRT
<213>  Homo sapiens

<400>  230

Gln 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 Thr Tyr
            20                  25                  30

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

Ser Phe Ile Ser Gly Tyr Gly Ser 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 Arg Lys Met Tyr Trp Trp Ser Asp Gly Phe Asp Tyr Trp Gly Gln
            100                 105                 110

Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 231
<211> 121
<212> PRT
<213> Homo sapiens

<400> 231

```
Gln 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 Arg Tyr
            20                  25                  30

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

Ser Ser Ile Ser Gly Gly Gly Ser Lys 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

Ala Arg Tyr Pro Gly Pro Thr Gly His Val Phe Phe Asp Ile Trp Gly
```

100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 232
<211> 116
<212> PRT
<213> Homo sapiens

<400> 232

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

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

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

Thr Val Ser Ser
115

<210> 233
<211> 115
<212> PRT
<213> Homo sapiens

<400> 233

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 His
20 25 30

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

35 40 45

Gly Asn Ile Met Pro Ile Phe Gly Val 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 Met Arg Leu Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

<210> 234
<211> 126
<212> PRT
<213> Homo sapiens

<400> 234

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

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

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

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

Val Ser Val Lys Ser 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

Tyr Tyr Cys Ala Arg Gly Tyr His Gln Gly Leu Tyr Gly Asn His Met
100 105 110

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

<210> 235
<211> 118
<212> PRT
<213> Homo sapiens

<400> 235

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

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

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

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

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

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr
85 90 95

Cys Ala Arg Ile Gln Gly Trp Asn Tyr Asp Val Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 236
<211> 120
<212> PRT
<213> Homo sapiens

<400> 236

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

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

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

Trp Leu Gly Arg Ile Gly Gln Arg Ser Lys Trp Tyr Asn Asp Tyr Ala
50 55 60

```
Val Ser Val Lys Ser 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

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

Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 237
<211> 118
<212> PRT
<213> Homo sapiens

<400> 237

```
Gln 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 His
            20                  25                  30

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

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

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

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

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

Leu Val Thr Val Ser Ser
        115
```

<210> 238
<211> 115
<212> PRT
<213> Homo sapiens

<400> 238

```
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 Asn Tyr
            20                  25                  30

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

Gly Asn Ile Ile Pro Ala Phe Gly Tyr 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 Lys Phe Thr Phe Asp Val Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser
        115
```

<210> 239
<211> 118
<212> PRT
<213> Homo sapiens

<400> 239

```
Gln 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

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

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

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

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

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

Leu Val Thr Val Ser Ser
115

<210> 240
<211> 120
<212> PRT
<213> Homo sapiens

<400> 240

Gln 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 Asn Tyr
20 25 30

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

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

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 241
<211> 110
<212> PRT
<213> Homo sapiens

<400> 241

Asp 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 Arg Ser Ser
20 25 30

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

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

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

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

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


<210>  242
<211>  111
<212>  PRT
<213>  Homo sapiens

<400>  242

Asp 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 Arg Ser Ser
            20                  25                  30

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

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

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

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

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


<210>  243
<211>  110
<212>  PRT
<213>  Homo sapiens
```

<400> 243

Asp 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 Arg Ser Ser
20 25 30

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

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

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

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

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

<210> 244
<211> 110
<212> PRT
<213> Homo sapiens

<400> 244

Asp 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 Arg Ser Ser
20 25 30

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

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

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

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

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

100 105 110

<210> 245

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

<400> 245

Asp 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 Arg Ser Ser
20 25 30

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

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

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

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

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

<210> 246
<211> 111
<212> PRT
<213> Homo sapiens

<400> 246

Asp 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 Arg Ser Ser
20 25 30

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

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

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

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

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

<210> 247
<211> 111
<212> PRT
<213> Homo sapiens

<400> 247

Asp 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 Arg Ser Ser
20 25 30

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

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

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

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

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

<210> 248
<211> 110
<212> PRT
<213> Homo sapiens

<400> 248

Asp 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 Ile Val Ser Gly Tyr
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 Ser Arg Ala Thr Gly Val 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 Trp Ser Leu Arg Ser Pro
                85                  90                  95

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

<210> 249
<211> 111
<212> PRT
<213> Homo sapiens

<400> 249

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

Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn
            20                  25                  30

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

Ile Tyr Asn Asp Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
    50                  55                  60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln
65                  70                  75                  80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Thr Tyr Asp Arg Arg Thr
                85                  90                  95

Phe Ser Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
            100                 105                 110
```

<210> 250
<211> 111
<212> PRT
<213> Homo sapiens

<400> 250

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

Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn
            20                  25                  30

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

Ile Tyr Asn Asp Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
    50                  55                  60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln
65                  70                  75                  80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Thr Tyr Asp Arg Arg Thr
                85                  90                  95

Phe Ser Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
            100                 105                 110
```

<210> 251
<211> 110
<212> PRT
<213> Homo sapiens

<400> 251

```
Asp 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 Arg Ser Ser
            20                  25                  30

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

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

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

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

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

<210> 252
<211> 112
<212> PRT
<213> Homo sapiens

<400> 252

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

Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn
20 25 30

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

Ile Tyr Asn Asp Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Trp Asp Arg Ala Asp
85 90 95

Gly Ser Tyr Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 253
<211> 113
<212> PRT
<213> Homo sapiens

<400> 253

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

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

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

Met Ile Tyr Ser Val Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65 70 75 80

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gly Ala Trp Ala His Met
85 90 95

Ser Leu Gly Lys Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 254
<211> 113
<212> PRT
<213> Homo sapiens

<400> 254

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

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

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

Met Ile Tyr Ser Val Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65 70 75 80

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

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

Gln

<210> 255
<211> 224
<212> PRT
<213> Homo sapiens

<400> 255

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

```
Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Ile Gly Gly Tyr
            20                  25                  30

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

Met Ile Tyr Gly Val Asn Asn Arg Pro Ser Gly Val Ser Asn Arg Phe
    50                  55                  60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65                  70                  75                  80

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

Ser Ala Thr Pro Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
            100                 105                 110

Gln Asp Ile Val Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly
        115                 120                 125

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
    130                 135                 140

Asn Tyr Val Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
145                 150                 155                 160

Leu Ile Tyr Asn Asp Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
                165                 170                 175

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu
            180                 185                 190

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Thr Tyr Asp Arg Arg
        195                 200                 205

Thr Phe Ser Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
    210                 215                 220


<210>  256
<211>  109
<212>  PRT
<213>  Homo sapiens

<400>  256

Asp 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 Ile Val Ser Gly Tyr
            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 Ser Arg Ala Thr Gly Val 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 Thr Tyr Tyr Cys Gln Gln Tyr Tyr Asn Phe Ser Phe
                85                  90                  95

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

<210> 257
<211> 109
<212> PRT
<213> Homo sapiens

<400> 257

```
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 Asn Ile Gly 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 Asn Ser Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

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

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

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

<210> 258
<211> 111
<212> PRT
<213> Homo sapiens

<400> 258

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

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

Asp Thr Val Thr Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu
35 40 45

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

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65 70 75 80

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Arg Asp Ser Ser
85 90 95

Ser Met Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 259
<211> 114
<212> PRT
<213> Homo sapiens

<400> 259

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

Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu His Ser
20 25 30

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

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

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

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln Gln Tyr
85 90 95

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

Arg Thr

<210> 260
<211> 112
<212> PRT
<213> Homo sapiens

<400> 260

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

Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Pro Asn
20 25 30

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

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

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln
65 70 75 80

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

Asn Ser Ser Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 261
<211> 110
<212> PRT
<213> Homo sapiens

<400> 261

Asp 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 Leu Thr Ser Asn
20 25 30

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

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

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

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

Ala Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr
            100                 105                 110
```

<210> 262
<211> 113
<212> PRT
<213> Homo sapiens

<400> 262

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

Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Asn
            20                  25                  30

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

Met Ile Tyr Tyr Gly Asp Ser Arg Pro Ser Gly Val Ser Asn Arg Phe
    50                  55                  60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65                  70                  75                  80

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

Met Gly Met Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
            100                 105                 110

Gln
```

<210> 263
<211> 109

<212> PRT
<213> Homo sapiens

<400> 263

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 Thr 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

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

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

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

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

<210> 264
<211> 112
<212> PRT
<213> Homo sapiens

<400> 264

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

Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Asn Phe
20 25 30

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

Met Ile Tyr Ser Val Ser Ser Arg Pro Ser Gly Val Ser Asn Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65 70 75 80

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

```
Thr Leu Ser Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
            100                 105                 110


<210>  265
<211>  110
<212>  PRT
<213>  Homo sapiens

<400>  265

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


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


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


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


<210>  266
<211>  109
<212>  PRT
<213>  Homo sapiens

<400>  266

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 Asn Arg Ser
            20                  25                  30


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


Tyr Ala Ala Ser Asn 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 Val Tyr Tyr Cys Leu Gln Val Tyr Asn Leu Pro Leu
                85                  90                  95

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

<210>  267
<211>  109
<212>  PRT
<213>  Homo sapiens

<400>  267

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 Asn Arg Ser
            20                  25                  30

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

Tyr Ala Ala Ser Asn 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 Val Tyr Tyr Cys Leu Gln Val Tyr Asn Leu Pro Leu
                85                  90                  95

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

<210>  268
<211>  110
<212>  PRT
<213>  Homo sapiens

<400>  268

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

Thr Ala Arg Ile Ser Cys Ser Gly Asp Asn Ile Pro Asn Phe Tyr Val
            20                  25                  30
```

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

Glu Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
    50                  55                  60

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

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

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

<210> 269
<211> 113
<212> PRT
<213> Homo sapiens

<400> 269

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

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

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

Met Ile Tyr Ser Val Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe
    50                  55                  60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65                  70                  75                  80

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

Asn Tyr Leu Ser Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
            100                 105                 110

Gln
```

<210> 270

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

<400> 270

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

Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn
20 25 30

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

Ile Tyr Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
50 55 60

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ser
65 70 75 80

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

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

<210> 271
<211> 111
<212> PRT
<213> Homo sapiens

<400> 271

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

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

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

Met Ile Tyr Arg Val Asp Asn Arg Pro Ser Gly Val Ser Asn Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65 70 75 80

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Trp Val Gly Pro

85 90 95

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

<210> 272
<211> 111
<212> PRT
<213> Homo sapiens

<400> 272

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

Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn
20 25 30

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

Ile Tyr Ser Asn Ser Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp His Asn Ser
85 90 95

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

<210> 273
<211> 108
<212> PRT
<213> Homo sapiens

<400> 273

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

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

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

Ser Lys Asp Asn Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser

```
    50                  55                  60

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

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Trp Ala His Asp His Lys Val
                85                  90                  95

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

<210>  274
<211>  110
<212>  PRT
<213>  Homo sapiens

<400>  274

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

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

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

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

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

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

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

<210>  275
<211>  113
<212>  PRT
<213>  Homo sapiens

<400>  275

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

Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr
```

```
            20                  25                  30

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

Met Ile Tyr Ser Val Asn Asn Arg Pro Ser Gly Val Ser Asn Arg Phe
    50                  55                  60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65                  70                  75                  80

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

Ser Ser Gly Phe Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
            100                 105                 110

Gln
```

<210> 276
<211> 111
<212> PRT
<213> Homo sapiens

<400> 276

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

Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Ile Gly His Phe
            20                  25                  30

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

Met Ile Tyr Ser Val Ile Ser Arg Pro Ser Gly Val Ser Asn Arg Phe
    50                  55                  60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65                  70                  75                  80

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

Ser Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
            100                 105                 110
```

<210> 277
<211> 112
<212> PRT
<213> Homo sapiens

<400> 277

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

Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser His
20 25 30

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

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

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln
65 70 75 80

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

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

<210> 278
<211> 111
<212> PRT
<213> Homo sapiens

<400> 278

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

Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn
20 25 30

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

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

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ala Trp Asp Leu Leu Glu
85 90 95

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

<210> 279
<211> 111
<212> PRT
<213> Homo sapiens

<400> 279

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

Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Ile Gly Thr Tyr
20 25 30

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

Met Ile Tyr Asn Val Asn Lys Arg Pro Ser Gly Val Ser Asn Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65 70 75 80

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ala Tyr Ala Pro Ser
85 90 95

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

<210> 280
<211> 113
<212> PRT
<213> Homo sapiens

<400> 280

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

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ile Gly
20 25 30

Tyr Asp Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

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

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu
65 70 75 80

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

His His Gly Ile Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 281
<211> 113
<212> PRT
<213> Homo sapiens

<400> 281

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

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

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

Met Ile Tyr Asn Val Asn Asn Arg Pro Ser Gly Val Ser Asn Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65 70 75 80

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

Ser Ser Asp Thr Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 282
<211> 113

<212> PRT
<213> Homo sapiens

<400> 282

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

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

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

Met Ile Tyr Gly Val Thr Lys Arg Pro Ser Gly Val Ser Asn Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
65 70 75 80

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

Gly Phe His Ile Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 283
<211> 112
<212> PRT
<213> Homo sapiens

<400> 283

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

Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Tyr
20 25 30

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

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

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln
65 70 75 80

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

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

<210> 284
<211> 363
<212> DNA
<213> Homo sapiens

<400> 284
caggtggaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact aattattgga ttggttgggt gcgccagatg
120

cctgggaagg gtctcgagtg gatgggcgtt atcatgccgt ctgatagcta tacccgttat
180

tctccgagct ttcagggcca ggtgaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgttatggt
300

catggtatgt atggtggtgc tcttgatgtt tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 285
<211> 363
<212> DNA
<213> Homo sapiens

<400> 285
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact aattattgga ttggttgggt gcgccagatg
120

cctgggaagg gtctcgagtg gatgggcttt atttggcctg ttgattcttg gactcagtat
180

tctccttctt ttcagggtca ggtcaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgttatggt
300

catggtatgt atggtggtgc tcttgatgtt tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 286
<211> 363
<212> DNA
<213> Homo sapiens

<400> 286
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact aattattgga ttggttgggt gcgccagatg
120

cctgggaagg gtctcgagtg gatgggcttt atttggcctg ttgattcttg gactcagtat
180

tctccttctt ttcagggtca ggtcaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgttatggt
300

catggtatgt atggtggtgc tcttgatgtt tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 287
<211> 363
<212> DNA
<213> Homo sapiens

<400> 287
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact aattattgga ttggttgggt gcgccagatg
120

cctgggaagg gtctcgagtg gatgggcatt atttggccta ttgattcttt tactcagtat
180

tctccttctt ttcagggtca ggtgaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgttatggt
300

catggtatgt atggtggtgc tcttgatgtt tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 288

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

<400> 288
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact aattattgga ttggttgggt gcgccagatg
120

cctgggaagg gtctcgagtg gatgggcgtt atcatgccgt ctgatagcta tacccgttat
180

tctccgagct ttcagggcca ggtgaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgttatggt
300

catggtatgt atggtggtgc tcttgatgtt tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 289
<211> 363
<212> DNA
<213> Homo sapiens

<400> 289
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact aattattgga ttggttgggt gcgccagatg
120

cctgggaagg gtctcgagtg gatgggcgtt atcatgccgt ctgatagcta tacccgttat
180

tctccgagct ttcagggcca ggtgaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgttatggt
300

catggtatgt atggtggtgc tcttgatgtt tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 290
<211> 363
<212> DNA
<213> Homo sapiens

<400> 290

caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact aattattgga ttggttgggt gcgccagatg
120

cctgggaagg gtctcgagtg gatgggcgtt atcatgccgt ctgatagcta tacccgttat
180

tctccgagct ttcagggcca ggtgaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgttatggt
300

catggtatgt atggtggtgc tcttgatgtt tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 291
<211> 363
<212> DNA
<213> Homo sapiens

<400> 291
caggtgcaat tggtggaaag cggcggcggc ctggtgcaac cgggcggcag cctgcgtctg
60

agctgcgcgg cctccggatt tacctttct gattatgcta tgtcttgggt gcgccaagcc
120

cctgggaagg gtctcgagtg ggtgagcgct atcatgtatg attctagctc tacctttat
180

gcggatagcg tgaaaggccg ttttaccatt tcacgtgata attcgaaaaa caccctgtat
240

ctgcaaatga acagcctgcg tgcggaagat acggccgtgt attattgcgc gcgtattaat
300

tatatttata agggtgttca ttttgattat tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 292
<211> 357
<212> DNA
<213> Homo sapiens

<400> 292
caggtggaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgcgag cgtgaaagtg
60

agctgcaaag cctccggata tacctttact ggtaattata ttaattgggt ccgccaagcc
120

cctgggcagg gtctcgagtg gatgggcatt atcaatccgc atggtggcga tacgaagtac
180

gcgcagaagt ttcagggccg ggtgaccatg acccgtgata ccagcattag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgttggcat
300

catggtactt ggatttttga ttattggggc caaggcaccc tggtgacggt tagctca
357

<210> 293
<211> 357
<212> DNA
<213> Homo sapiens

<400> 293
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgcgag cgtgaaagtg
60

agctgcaaag cctccggata tacctttact ggtaattata ttaattgggt ccgccaagcc
120

cctgggcagg gtctcgagtg gatgggcatt attaatccta ctaagggttg gactctttat
180

gctcagaagt ttcagggtcg ggtcaccatg acccgtgata ccagcattag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgttggcat
300

catggtactt ggatttttga ttattggggc caaggcaccc tggtgacggt tagctca
357

<210> 294
<211> 363
<212> DNA
<213> Homo sapiens

<400> 294
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact aattattgga ttggttgggt gcgccagatg
120

cctgggaagg gtctcgagtg gatgggcttt atttggcctt ctgattcttg gacttcttat
180

tctccttctt ttcagggtca ggtgaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgttatggt
300

catggtatgt atggtggtgc tcttgatgtt tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 295
<211> 357
<212> DNA
<213> Homo sapiens

<400> 295
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgcgag cgtgaaagtg
60

agctgcaaag cctccggata tacctttact ggtaattata ttaattgggt ccgccaagcc
120

cctgggcagg gtctcgagtg gatgggcatt atcaatccgc atggtggcga tacgaagtac
180

gcgcagaagt ttcagggccg ggtgaccatg acccgtgata ccagcattag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgttggcat
300

catggtactt ggatttttga ttattggggc caaggcaccc tggtgacggt tagctca
357

<210> 296
<211> 345
<212> DNA
<213> Homo sapiens

<400> 296
caggtgcaat tggttcagtc tggcgcggaa gtgaaaaaac cgggcagcag cgtgaaagtg
60

agctgcaaag cctccggagg cacttttttct tcttattatt tttcttgggt gcgccaagcc
120

cctgggcagg gtctcgagtg gatgggcggt atcattccga agtttggctc tgcgaattac
180

gcgcagaagt ttcagggccg ggtgaccatt accgcggatg aaagcaccag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgtcgtact
300

tctatggatt attggggcca aggcaccctg gtgacggtta gctca
345

<210> 297
<211> 345
<212> DNA
<213> Homo sapiens

<400> 297

caggtgcaat tggttcagtc tggcgcggaa gtgaaaaaac cgggcagcag cgtgaaagtg
60

agctgcaaag cctccggagg cacttttttct tcttattatt tttcttgggt gcgccaagcc
120

cctgggcagg gtctcgagtg gatgggcggt atcattccga agtttggctc tgcgaattac
180

gcgcagaagt ttcagggccg ggtgaccatt accgcggatg aaagcaccag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgtcgtact
300

tctatggatt attggggcca aggcaccctg gtgacggtta gctca
345

<210> 298
<211> 360
<212> DNA
<213> Homo sapiens

<400> 298
caggtggaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact tcttattgga ttggttgggt gcgccaggcc
120

cctgggaagg gtctcgagtg gatgggcatt atcgatccgg gtgatagccg tacccgttat
180

tctccgagct ttcagggcca ggtgaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgtggtcag
300

ctttatggtg gtacttatat ggatggttgg ggccaaggca ccctggtgac ggttagctca
360

<210> 299
<211> 363
<212> DNA
<213> Homo sapiens

<400> 299
caggtgcaat tggtggaaag cggcggcggc ctggtgcaac cgggcggcag cctgcgtctg
60

agctgcgcgg cctccggatt taccttttct gattatgcta tgtcttgggt gcgccaagcc
120

cctgggaagg gtctcgagtg ggtgagcgct atcatgtatg attctagctc taccttttat
180

gcggatagcg tgaaaggccg ttttaccatt tcacgtgata attcgaaaaa caccctgtat
240

ctgcaaatga acagcctgcg tgcggaagat acggccgtgt attattgcgc gcgtattaat
300

tatatttata agggtgttca ttttgattat tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 300
<211> 348
<212> DNA
<213> Homo sapiens

<400> 300
caggtgcaat tgcaagaaag tggtccgggc ctggtgaaac cgggcgaaac cctgagcctg
60

acctgcaccg tttccggagg cagcatttct aattattatt ggtcttggat tcgccaggcc
120

cctgggaagg gtctcgagtg gattggcgag atctatcatt ctggcggtac ctattataat
180

ccgagcctga aaggccgggt gaccattagc gttgatactt cgaaaaacca gtttagcctg
240

aaactgagca gcgtgacggc ggaagatacg gccgtgtatt attgcgcgcg tcctatggat
300

aatcttcctg atatttgggg ccaaggcacc ctggtgacgg ttagctca
348

<210> 301
<211> 348
<212> DNA
<213> Homo sapiens

<400> 301
caggtgcaat tggtggaaag cggcggcggc ctggtgcaac cgggcggcag cctgcgtctg
60

agctgcgcgg cctccggatt tacctttct tcttatggta tgtcttgggt gcgccaagcc
120

cctgggaagg gtctcgagtg ggtgagcggt atctcttatt cttctagcgc tacctattat
180

gcggatagcg tgaaaggccg ttttaccatt tcacgtgata attcgaaaaa caccctgtat
240

ctgcaaatga acagcctgcg tgcggaagat acggccgtgt attattgcgc gcgttatctt
300

tattattttg atgtttgggg ccaaggcacc ctggtgacgg ttagctca
348

<210> 302
<211> 345

<212> DNA
<213> Homo sapiens

<400> 302
caggtgcaat tggtggaaag cggcggcggc ctggtgcaac cgggcggcag cctgcgtctg
60

agctgcgcgg cctccggatt tacctttttct aattcttgga tgtcttgggt gcgccaagcc
120

cctgggaagg gtctcgagtg ggtgagcgct atcacttatt ggggtagcaa tacctattat
180

gcggatagcg tgaaaggccg ttttaccatt tcacgtgata attcgaaaaa caccctgtat
240

ctgcaaatga acagcctgcg tgcggaagat acggccgtgt attattgcgc gcgtactaag
300

ttttttgcta attggggcca aggcaccctg gtgacggtta gctca
345

<210> 303
<211> 345
<212> DNA
<213> Homo sapiens

<400> 303
caggtgcaat tggttcagtc tggcgcggaa gtgaaaaaac cgggcagcag cgtgaaagtg
60

agctgcaaag cctccggagg cacttttttct aattattcta tttcttgggt gcgccaagcc
120

cctgggcagg gtctcgagtg gatgggccgt atcattccga attttggcac tgcgaattac
180

gcgcagaagt ttcagggccg ggtgaccatt accgcggatg aaagcaccag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgtggtatt
300

tattttgctt tttggggcca aggcaccctg gtgacggtta gctca
345

<210> 304
<211> 360
<212> DNA
<213> Homo sapiens

<400> 304
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgcgag cgtgaaagtg
60

agctgcaaag cctccggata tacctttact tcttatgctc ttcattgggt ccgccaagcc
120

cctgggcagg gtctcgagtg gatgggcatt atcaatccgc agaatggcgg tacgaattac
180

gcgcagaagt ttcagggccg ggtgaccatg acccgtgata ccagcattag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgtaagcat
300

aagtatcgta ttggttctat ggatgtttgg ggccaaggca ccctggtgac ggttagctca
360

<210> 305
<211> 351
<212> DNA
<213> Homo sapiens

<400> 305
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact aattattgga ttggttgggt gcgccagatg
120

cctgggaagg gtctcgagtg gatgggcatt atcgatccgc gtgagagctt tacccgttat
180

tctccgagct ttcagggcca ggtgaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgttatatg
300

aagggtggtt atgattattg gggccaaggc accctggtga cggttagctc a
351

<210> 306
<211> 360
<212> DNA
<213> Homo sapiens

<400> 306
caggtgcaat tgcaacagtc tggtccgggc ctggtgaaac cgagccaaac cctgagcctg
60

acctgtgcga tttccggaga tagcgtgagc tctcgttctg ctgcttgggg ttggattcgc
120

cagtctcctg ggcgtggcct cgagtggctg ggccgtatcg gttatcgtag caagtggatg
180

aacgattatg cggtgagcgt gaaaagccgg attaccatca acccggatac ttcgaaaaac
240

cagtttagcc tgcaactgaa cagcgtgacc ccggaagata cggccgtgta ttattgcgcg
300

cgtatgcagg gttttcagct tgattattgg ggccaaggca ccctggtgac ggttagctca
360

<210> 307
<211> 345
<212> DNA
<213> Homo sapiens

<400> 307
caggtgcaat tggttcagtc tggcgcggaa gtgaaaaaac cgggcagcag cgtgaaagtg
60

agctgcaaag cctccggagg cacttttttct aattattctc ttcattgggt gcgccaagcc
120

cctgggcagg gtctcgagtg gatgggcggt atcgttccga tttttggcac tgcgaattac
180

gcgcagaagt ttcagggccg ggtgaccatt accgcggatg aaagcaccag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgtacttat
300

acttttgctg tttggggcca aggcaccctg gtgacggtta gctca
345

<210> 308
<211> 345
<212> DNA
<213> Homo sapiens

<400> 308
caggtgcaat tggttcagtc tggcgcggaa gtgaaaaaac cgggcagcag cgtgaaagtg
60

agctgcaaag cctccggagg cacttttttct aattattctc ttcattgggt gcgccaagcc
120

cctgggcagg gtctcgagtg gatgggcggt atcgttccga tttttggcac tgcgaattac
180

gcgcagaagt ttcagggccg ggtgaccatt accgcggatg aaagcaccag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgtacttat
300

acttttgctg tttggggcca aggcaccctg gtgacggtta gctca
345

<210> 309
<211> 342
<212> DNA
<213> Homo sapiens

<400> 309
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgcgag cgtgaaagtg
60

agctgcaaag cctccggata tacctttact atttatgata tgcattgggt ccgccaagcc
120

cctgggcagg gtctcgagtg gatgggctat atctctccgt attctggcga tacgaattac
180

gcgcagaagt ttcagggccg ggtgaccatg acccgtgata ccagcattag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgtggttgg
300

caggattttt ggggccaagg caccctggtg acggttagct ca
342

<210> 310
<211> 378
<212> DNA
<213> Homo sapiens

<400> 310
caggtgcaat tgcaacagtc tggtccgggc ctggtgaaac cgagccaaac cctgagcctg
60

acctgtgcga tttccggaga tagcgtgagc tctaattctg ctgcttgggg ttggattcgc
120

cagtctcctg ggcgtggcct cgagtggctg ggccgtatct cttatcgtag ccgttggtat
180

aacaattatg cggtgagcgt gaaaagccgg attaccatca acccggatac ttcgaaaaac
240

cagtttagcc tgcaactgaa cagcgtgacc ccggaagata cggccgtgta ttattgcgcg
300

cgttattatt ctgatcattt tggtctttat ccttattttg attattgggg ccaaggcacc
360

ctggtgacgg ttagctca
378

<210> 311
<211> 378
<212> DNA
<213> Homo sapiens

<400> 311
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttaat acttcttgga tttgggtgcg ccagatgcct
120

gggaagggtc tcgagtggat gggcattatc catccgggtc atagctatac ccgttattct
180

ccgagctttc agggccaggt gaccattagc gcggataaaa gcattagcac cgcgtatctt
240

caatggagca gcctgaaagc gagcgatacg gccatgtatt attgcgcgcg tggtgatggt
300

ggtccttctt ctcagggtaa ttattttggt tgggtttatg atgtttgggg ccaaggcacc
360

ctggtgacgg ttagctca
378

<210> 312
<211> 375
<212> DNA
<213> Homo sapiens

<400> 312
caggtgcaat tgcaacagtc tggtccgggc ctggtgaaac cgagccaaac cctgagcctg
60

acctgtgcga tttccggaga tagcgtgagc tctaattctg ctgcttggtc ttggattcgc
120

cagtctcctg ggcgtggcct cgagtggctg ggccgtatct attatcgtag caagaagtgg
180

tataacgatt atgcggtgag cgtgaaaagc cggattacca tcaacccgga tacttcgaaa
240

aaccagttta gcctgcaact gaacagcgtg accccggaag atacggccgt gtattattgc
300

gcgcgtaatt attctggtcc tatgtattat tatggtgatg tttggggcca aggcaccctg
360

gtgacggtta gctca
375

<210> 313
<211> 369
<212> DNA
<213> Homo sapiens

<400> 313
caggtgcaat tgcaacagtc tggtccgggc ctggtgaaac cgagccaaac cctgagcctg
60

acctgtgcga tttccggaga tagcgtgagc tctaattctg ctgcttggtc ttggattcgc
120

cagtctcctg ggcgtggcct cgagtggctg ggccgtatcc agtatcgtag caagtggtat
180

aacgcttatg cggtgagcgt gaaaagccgg attaccatca acccggatac ttcgaaaaac
240

cagtttagcc tgcaactgaa cagcgtgacc ccggaagata cggccgtgta ttattgcgcg
300

cgtggttttc atggttctac tatgtatttt gatgtttggg gccaaggcac cctggtgacg
360

gttagctca
369

<210> 314
<211> 351
<212> DNA
<213> Homo sapiens

<400> 314
caggtgcaat tggttcagag cggcgcggaa gtgaaaaaac cgggcgaaag cctgaaaatt
60

agctgcaaag gttccggata ttcctttact acttattgga ttggttgggt gcgccaagcc
120

cctgggaagg gtctcgagtg gatgggcttt atctatccgg ataagagcta taccaattat
180

tctccgagct ttcagggcca ggtgaccatt agcgcggata aaagcattag caccgcgtat
240

cttcaatgga gcagcctgaa agcgagcgat acggccatgt attattgcgc gcgtggtctt
300

ggtggttctt ttgatgtttg gggccaaggc accctggtga cggttagctc a
351

<210> 315
<211> 369
<212> DNA
<213> Homo sapiens

<400> 315
caggtgcaat tgcaacagtc tggtccgggc ctggtgaaac cgagccaaac cctgagcctg
60

acctgtgcga tttccggaga tagcgtgagc tctaattctg cttcttggtc ttggattcgc
120

cagtctcctg ggcgtggcct cgagtggctg ggccgtatct attatcgtag ccagtggtat
180

aacgattatg cggtgagcgt gaaaagccgg attaccatca acccggatac ttcgaaaaac
240

cagtttagcc tgcaactgaa cagcgtgacc ccggaagata cggccgtgta ttattgcgcg
300

cgtggttgga ttactggttg gcgtattttt gattattggg gccaaggcac cctggtgacg
360

gttagctca
369

<210> 316
<211> 360
<212> DNA
<213> Homo sapiens

<400> 316

caggtgcaat tggtggaaag cggcggcggc ctggtgcaac cgggcggcag cctgcgtctg
60

agctgcgcgg cctccggatt tacctttttct acttatgcta tgtcttgggt gcgccaagcc
120

cctgggaagg gtctcgagtg ggtgagcttt atctctggtt atggtagctc tacctattat
180

gcggatagcg tgaaaggccg ttttaccatt tcacgtgata attcgaaaaa caccctgtat
240

ctgcaaatga acagcctgcg tgcggaagat acggccgtgt attattgcgc gcgtaagatg
300

tattggtggt ctgatggttt tgattattgg ggccaaggca ccctggtgac ggttagctca
360

<210> 317
<211> 363
<212> DNA
<213> Homo sapiens

<400> 317
caggtgcaat tggtggaaag cggcggcggc ctggtgcaac cgggcggcag cctgcgtctg
60

agctgcgcgg cctccggatt tacctttttct cgttatgcta tttcttgggt gcgccaagcc
120

cctgggaagg gtctcgagtg ggtgagctct atctctggtg gtggtagcaa gacctttttat
180

gcggatagcg tgaaaggccg ttttaccatt tcacgtgata attcgaaaaa caccctgtat
240

ctgcaaatga acagcctgcg tgcggaagat acggccgtgt attattgcgc gcgttatcct
300

ggtcctactg gtcatgtttt ttttgatatt tggggccaag gcaccctggt gacggttagc
360

tca
363

<210> 318
<211> 348
<212> DNA
<213> Homo sapiens

<400> 318
caggtgcaat tggttcagtc tggcgcggaa gtgaaaaaac cgggcagcag cgtgaaagtg
60

agctgcaaag cctccggagg cacttttttct tcttattata tttcttgggt gcgccaagcc
120

cctgggcagg gtctcgagtg gatgggcggt atcattccga agtttggcac tgcgaattac
180

gcgcagaagt ttcagggccg ggtgaccatt accgcggatg aaagcaccag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgtactatt
300

ggtatttatg attcttgggg ccaaggcacc ctggtgacgg ttagctca
348

<210> 319
<211> 345
<212> DNA
<213> Homo sapiens

<400> 319
caggtgcaat tggttcagtc tggcgcggaa gtgaaaaaac cgggcagcag cgtgaaagtg
60

agctgcaaag cctccggagg cacttttttct tctcatgcta tttcttgggt gcgccaagcc
120

cctgggcagg gtctcgagtg gatgggcaat atcatgccga tttttggcgt tgcgaattac
180

gcgcagaagt ttcagggccg ggtgaccatt accgcggatg aaagcaccag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgtgagatg
300

cgtcttgctt attggggcca aggcaccctg gtgacggtta gctca
345

<210> 320
<211> 378
<212> DNA
<213> Homo sapiens

<400> 320
caggtgcaat tgcaacagtc tggtccgggc ctggtgaaac cgagccaaac cctgagcctg
60

acctgtgcga tttccggaga tagcgtgagc tctaatactg ctgcttggtc ttggattcgc
120

cagtctcctg ggcgtggcct cgagtggctg ggccgtatcc gttatcgtag caagtggtat
180

aacgattatg cggtgagcgt gaaaagccgg attaccatca acccggatac ttcgaaaaac
240

cagtttagcc tgcaactgaa cagcgtgacc ccggaagata cggccgtgta ttattgcgcg
300

cgtggttatc atcagggtct ttatggtaat catatgtttg atgtttgggg ccaaggcacc
360

ctggtgacgg ttagctca
378

<210> 321
<211> 354
<212> DNA
<213> Homo sapiens

<400> 321
caggtgcaat tgaaagaaag cggcccggcc ctggtgaaac cgacccaaac cctgaccctg
60

acctgtacct tttccggatt tagcctgtct tcttctggtg ttggtgtgtc ttggattcgc
120

cagccgcctg ggaaagccct cgagtggctg gctcttatcg attgggatga tgataagtct
180

tatagcacca gcctgaaaac gcgtctgacc attagcaaag atacttcgaa aaatcaggtg
240

gtgctgacta tgaccaacat ggacccggtg gatacggcca cctattattg cgcgcgtatt
300

cagggttgga attatgatgt ttggggccaa ggcaccctgg tgacggttag ctca
354

<210> 322
<211> 360
<212> DNA
<213> Homo sapiens

<400> 322
caggtgcaat tgcaacagtc tggtccgggc ctggtgaaac cgagccaaac cctgagcctg
60

acctgtgcga tttccggaga tagcgtgagc tcttcttctg ctgcttggtc ttggattcgc
120

cagtctcctg ggcgtggcct cgagtggctg ggccgtatcg gtcagcgtag caagtggtat
180

aacgattatg cggtgagcgt gaaaagccgg attaccatca acccggatac ttcgaaaaac
240

cagtttagcc tgcaactgaa cagcgtgacc ccggaagata cggccgtgta ttattgcgcg
300

cgttctcgtt ttggttattt tgatgtttgg ggccaaggca ccctggtgac ggttagctca
360

<210> 323
<211> 354
<212> DNA
<213> Homo sapiens

<400> 323
caggtgcaat tggtggaaag cggcggcggc ctggtgcaac cgggcggcag cctgcgtctg
60

agctgcgcgg cctccggatt tacctttttct tctcattatt cttgggtgcg ccaagcccct
120

gggaagggtc tcgagtgggt gagcactatc tcttctaatg gtagctatac ctattatgcg
180

gatagcgtga aaggccgttt taccatttca cgtgataatt cgaaaaacac cctgtatctg
240

caaatgaaca gcctgcgtgc ggaagatacg gccgtgtatt attgcgcgcg ttttgttgct
300

cgtcttaatg tttttgatta ttggggccaa ggcaccctgg tgacggttag ctca
354

<210> 324
<211> 345
<212> DNA
<213> Homo sapiens

<400> 324
caggtgcaat tggttcagtc tggcgcggaa gtgaaaaaac cgggcagcag cgtgaaagtg
60

agctgcaaag cctccggagg cacttttttct aattatacta tttcttgggt gcgccaagcc
120

cctgggcagg gtctcgagtg gatgggcaat atcattccgg cttttggcta tgcgaattac
180

gcgcagaagt ttcagggccg ggtgaccatt accgcggatg aaagcaccag caccgcgtat
240

atggaactga gcagcctgcg tagcgaagat acggccgtgt attattgcgc gcgtaagttt
300

acttttgatg tttggggcca aggcaccctg gtgacggtta gctca
345

<210> 325
<211> 354
<212> DNA
<213> Homo sapiens

<400> 325
caggtgcaat tggtggaaag cggcggcggc ctggtgcaac cgggcggcag cctgcgtctg
60

agctgcgcgg cctccggatt tacctttttct tcttattatt cttgggtgcg ccaagcccct
120

gggaagggtc tcgagtgggt gagcaatatc tctggtaatg gtagctctac ctattatgcg
180

gatagcgtga aaggccgttt taccatttca cgtgataatt cgaaaaacac cctgtatctg
240

caaatgaaca gcctgcgtgc ggaagatacg gccgtgtatt attgcgcgcg tcttattgct
300

actcttggta cttttgatta ttggggccaa ggcaccctgg tgacggttag ctca
354

<210> 326
<211> 360
<212> DNA
<213> Homo sapiens

<400> 326
caggtgcaat tggtggaaag cggcggcggc ctggtgcaac cgggcggcag cctgcgtctg
60

agctgcgcgg cctccggatt tacctttttct aattatggta ttcattgggt gcgccaagcc
120

cctgggaagg gtctcgagtg ggtgagctat atccgttctg gttctagcga tacctattat
180

gcggatagcg tgaaaggccg ttttaccatt tcacgtgata attcgaaaaa caccctgtat
240

ctgcaaatga acagcctgcg tgcggaagat acggccgtgt attattgcgc gcgtactgct
300

cctgctggtc atggtgtttt tgctaattgg ggccaaggca ccctggtgac ggttagctca
360

<210> 327
<211> 330
<212> DNA
<213> Homo sapiens

<400> 327
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gtctgttcgt tcttctcgtc tggcttggta ccagcagaaa
120

ccaggtcaag caccgcgtct attaatttat ggtgcttcta agcgtgcaac tggggtcccg
180

gcgcgtttta gcggctctgg atccggcacg gattttaccc tgaccattag cagcctggaa
240

cctgaagact ttgcgactta ttattgccag cagtattatg attttcctcc tacctttggc
300

cagggtacga aagttgaaat taaacgtacg
330

<210> 328
<211> 333
<212> DNA
<213> Homo sapiens

<400> 328
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gtctgttcgt tcttctcgtc tggcttggta ccagcagaaa
120

ccaggtcaag caccgcgtct attaatttat ggtgcttcta agcgtgcaac tggggtcccg
180

gcgcgtttta gcggctctgg atccggcacg gattttaccc tgaccattag cagcctggaa
240

cctgaagact ttgcggtgta ttattgccag cagtattctc atgatccttc tggtaccttt
300

ggccagggta cgaaagttga aattaaacgt acg
333

<210> 329
<211> 330
<212> DNA
<213> Homo sapiens

<400> 329
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gtctgttcgt tcttctcgtc tggcttggta ccagcagaaa
120

ccaggtcaag caccgcgtct attaatttat ggtgcttcta agcgtgcaac tggggtcccg
180

gcgcgtttta gcggctctgg atccggcacg gattttaccc tgaccattag cagcctggaa
240

cctgaagact ttgcgactta ttattgccag cagtattatg attttcctcc tacctttggc
300

cagggtacga aagttgaaat taaacgtacg
330

<210> 330
<211> 330
<212> DNA
<213> Homo sapiens

<400> 330
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gtctgttcgt tcttctcgtc tggcttggta ccagcagaaa
120

ccaggtcaag caccgcgtct attaatttat ggtgcttcta agcgtgcaac tggggtcccg
180

gcgcgtttta gcggctctgg atccggcacg gattttaccc tgaccattag cagcctggaa
240

cctgaagact ttgcgactta ttattgccag cagtattatg attttcctcc tacctttggc
300

cagggtacga aagttgaaat taaacgtacg
330

<210> 331
<211> 330
<212> DNA
<213> Homo sapiens

<400> 331
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gtctgttcgt tcttctcgtc tggcttggta ccagcagaaa
120

ccaggtcaag caccgcgtct attaatttat ggtgcttcta agcgtgcaac tggggtcccg
180

gcgcgtttta gcggctctgg atccggcacg gattttaccc tgaccattag cagcctggaa
240

cctgaagact ttgcggtgta ttattgccag cagttttatt ctaagcctat tacctttggc
300

cagggtacga aagttgaaat taaacgtacg
330

<210> 332
<211> 333
<212> DNA
<213> Homo sapiens

<400> 332
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gtctgttcgt tcttctcgtc tggcttggta ccagcagaaa
120

ccaggtcaag caccgcgtct attaatttat ggtgcttcta agcgtgcaac tggggtcccg
180

gcgcgtttta gcggctctgg atccggcacg gattttaccc tgaccattag cagcctggaa
240

cctgaagact ttgcggtgta ttattgccag cagtattctc atgatccttc tggtaccttt
300

ggccagggta cgaaagttga aattaaacgt acg
333

<210> 333
<211> 333
<212> DNA
<213> Homo sapiens

<400> 333
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gtctgttcgt tcttctcgtc tggcttggta ccagcagaaa
120

ccaggtcaag caccgcgtct attaatttat ggtgcttcta agcgtgcaac tggggtcccg
180

gcgcgtttta gcggctctgg atccggcacg gattttaccc tgaccattag cagcctggaa
240

cctgaagact ttgcggtgta ttattgccag cagtattctc aggatccttc ttctaccttt
300

ggccagggta cgaaagttga aattaaacgt acg
333

<210> 334
<211> 330
<212> DNA
<213> Homo sapiens

<400> 334
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gattgtttcc ggttatctgg cttggtacca gcagaaacca
120

ggtcaagcac cgcgtctatt aatttatggt gcttcttctc gtgcaactgg ggtcccggcg
180

cgttttagcg gctctggatc cggcacggat tttaccctga ccattagcag cctggaacct
240

gaagactttg cggtgtatta ttgccagcag tggtctcttc gttctccttt tacctttggc
300

cagggtacga aagttgaaat taaacgtacg
330

<210> 335
<211> 333
<212> DNA
<213> Homo sapiens

<400> 335
gatatcgtgc tgacccagcc gccttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtagcg gcagcagcag caacattggt tctaattatg tgtcttggta ccagcagttg
120

cccgggacgg cgccgaaact tctgatttat aatgataatc agcgtccctc aggcgtgccg
180

gatcgtttta gcggatccaa aagcggcacc agcgcgagcc ttgcgattac gggcctgcaa
240

agcgaagacg aagcggatta ttattgctct acttatgatc gtcgtacttt ttctgtgttt
300

ggcggcggca cgaagttaac cgtcctaggt cag
333

<210> 336
<211> 333
<212> DNA
<213> Homo sapiens

<400> 336
gatatcgtgc tgacccagcc gccttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtagcg gcagcagcag caacattggt tctaattatg tgtcttggta ccagcagttg
120

cccgggacgg cgccgaaact tctgatttat aatgataatc agcgtccctc aggcgtgccg
180

gatcgtttta gcggatccaa aagcggcacc agcgcgagcc ttgcgattac gggcctgcaa
240

agcgaagacg aagcggatta ttattgctct acttatgatc gtcgtacttt ttctgtgttt
300

ggcggcggca cgaagttaac cgtcctaggt cag
333

<210> 337
<211> 330
<212> DNA
<213> Homo sapiens

<400> 337
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gtctgttcgt tcttctcgtc tggcttggta ccagcagaaa
120

ccaggtcaag caccgcgtct attaatttat ggtgcttcta agcgtgcaac tggggtcccg
180

gcgcgtttta gcggctctgg atccggcacg gattttaccc tgaccattag cagcctggaa
240

cctgaagact ttgcgactta ttattgccag cagtattatg attttcctcc tacctttggc
300

cagggtacga aagttgaaat taaacgtacg
330

<210> 338
<211> 336
<212> DNA
<213> Homo sapiens

<400> 338

gatatcgtgc tgacccagcc gccttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtagcg gcagcagcag caacattggt tctaattatg tgtcttggta ccagcagttg
120

cccgggacgg cgccgaaact tctgatttat aatgataatc agcgtccctc aggcgtgccg
180

gatcgtttta gcggatccaa aagcggcacc agcgcgagcc ttgcgattac gggcctgcaa
240

agcgaagacg aagcggatta ttattgctct tcttgggatc gtgctgatgg ttcttatgtg
300

tttggcggcg gcacgaagtt aaccgtccta ggtcag
336

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

<400> 339
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatgttggt ggttataatt atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tattctgttt ctaagcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc ggtgcttggg ctcatatgtc tcttggtaag
300

gtgtttggcg gcggcacgaa gttaaccgtt cttggccag
339

<210> 340
<211> 339
<212> DNA
<213> Homo sapiens

<400> 340
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatgttggt ggttataatt atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tattctgttt ctaagcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc gctacttggg atcattctca gatgggtaag
300

gtgtttggcg gcggcacgaa gttaaccgtc ctaggtcag
339

<210> 341
<211> 339
<212> DNA
<213> Homo sapiens

<400> 341
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatgttggt ggttataatt atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tattctgttt ctaagcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc gctacttggg atcattctca gatgggtaag
300

gtgtttggcg gcggcacgaa gttaaccgtc ctaggtcag
339

<210> 342
<211> 327
<212> DNA
<213> Homo sapiens

<400> 342
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gattgtttcc ggttatctgg cttggtacca gcagaaacca
120

ggtcaagcac cgcgtctatt aatttatggt gcttcttctc gtgcaactgg ggtcccggcg
180

cgttttagcg gctctggatc cggcacggat tttaccctga ccattagcag cctggaacct
240

gaagactttg cgacttatta ttgccagcag tattataatt tttcttttac ctttggccag
300

ggtacgaaag ttgaaattaa acgtacg
327

<210> 343
<211> 327
<212> DNA
<213> Homo sapiens

<400> 343
gatatccaga tgacccagag cccgtctagc ctgagcgcga gcgtgggtga tcgtgtgacc
60

attacctgca gagcgagcca gaatattggt tcttatctga attggtacca gcagaaacca
120

ggtaaagcac cgaaactatt aatttataat tcttctactt tgcaaagcgg ggtcccgtcc
180

cgttttagcg gctctggatc cggcactgat tttaccctga ccattagcag cctgcaacct
240

gaagactttg cgacttatta ttgccagcag cgttctaata tgcctattac ctttggccag
300

ggtacgaaag ttgaaattaa acgtacg
327

<210> 344
<211> 333
<212> DNA
<213> Homo sapiens

<400> 344
gatatcgcac tgacccagcc agcttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtacgg gtactagcag cgatgttggt gcttctgata ctgtgacttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tatgctgtta ataagcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc gcttctcgtg attcttcttc tatggtgttt
300

ggcggcggca cgaagttaac cgttcttggc cag
333

<210> 345
<211> 342
<212> DNA
<213> Homo sapiens

<400> 345
gatatcgtga tgacccagag cccactgagc ctgccagtga ctccgggcga gcctgcgagc
60

attagctgca gaagcagcca aagcctgctt cattctaatg gctatactta tctgtcttgg
120

taccttcaaa aaccaggtca aagcccgcag ctattaattt atcttggttc taagcgtgcc
180

agtggggtcc cggatcgttt tagcggctct ggatccggca ccgattttac cctgaaaatt
240

agccgtgtgg aagctgaaga cgtgggcgtg tattattgcc agcagtatta tgattcttct
300

tctacctttg gccagggtac gaaagttgaa attaaacgta cg
342

<210> 346
<211> 336
<212> DNA
<213> Homo sapiens

<400> 346
gatatcgtgc tgacccagcc gccttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtagcg gcagcagcag caacattggt cctaattatg tgtcttggta ccagcagttg
120

cccgggacgg cgccgaaact tctgattcat ggtaatgcta atcgtccctc aggcgtgccg
180

gatcgtttta gcggatccaa aagcggcacc agcgcgagcc ttgcgattac gggcctgcaa
240

agcgaagacg aagcggatta ttattgccag tcttatgatt tttttactaa ttcttctgtg
300

tttggcggcg gcacgaagtt aaccgttctt ggccag
336

<210> 347
<211> 330
<212> DNA
<213> Homo sapiens

<400> 347
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gtctcttact tctaatcagc tggcttggta ccagcagaaa
120

ccaggtcaag caccgcgtct attaatttat gattcttcta atcgtgcaac tggggtcccg
180

gcgcgtttta gcggctctgg atccggcacg gattttaccc tgaccattag cagcctggaa
240

cctgaagact ttgcggttta ttattgccag cagtatggtt cttttcctgc tacctttggc
300

cagggtacga aagttgaaat taaacgtacg
330

<210> 348
<211> 339
<212> DNA
<213> Homo sapiens

<400> 348
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatgttggt ggtaataatt ttgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tattatggtg attctcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc cagtcttggg atgctcctat gggtatgtgg
300

gtgtttggcg gcggcacgaa gttaaccgtt cttggccag
339

<210> 349
<211> 339
<212> DNA
<213> Homo sapiens

<400> 349
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatgttggt ggtaataatt ttgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tattatggtg attctcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc cagtcttggg atgctcctat gggtatgtgg
300

gtgtttggcg gcggcacgaa gttaaccgtt cttggccag
339

<210> 350
<211> 336
<212> DNA
<213> Homo sapiens

<400> 350
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatgttggt aattttaatt atgtgaattg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tattctgttt cttctcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc ggtgcttata ctactgatac tctttctgtg
300

tttggcggcg gcacgaagtt aaccgttctt ggccag
336

<210> 351
<211> 330
<212> DNA
<213> Homo sapiens

<400> 351
gatatcgtgc tgacccagag cccggcgacc ctgagcctgt ctccgggcga acgtgcgacc
60

ctgagctgca gagcgagcca gtctgttact tctaattatc tggcttggta ccagcagaaa
120

ccaggtcaag caccgcgtct attaatttat ggttcttctt ctcgtgcaac tggggtcccg
180

gcgcgtttta gcggctctgg atccggcacg gattttaccc tgaccattag cagcctggaa
240

cctgaagact ttgcggttta ttattgccag cagtattctg atattcctgc tacctttggc
300

cagggtacga aagttgaaat taaacgtacg
330

<210> 352
<211> 327
<212> DNA
<213> Homo sapiens

<400> 352
gatatccaga tgacccagag cccgtctagc ctgagcgcga gcgtgggtga tcgtgtgacc
60

attacctgca gagcgagcca gtctattaat cgttctctga cttggtacca gcagaaacca
120

ggtaaagcac cgaaactatt aatttatgct gcttctaatt tgcaaagcgg ggtcccgtcc
180

cgttttagcg gctctggatc cggcactgat tttaccctga ccattagcag cctgcaacct
240

gaagactttg cggtttatta ttgccttcag gtttataatc ttcctcttac ctttggccag
300

ggtacgaaag ttgaaattaa acgtacg
327

<210> 353
<211> 339

<212> DNA
<213> Homo sapiens

<400> 353
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatattggt ggttttaatt atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tatgatgttt ctaatcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc tctacttatg atgatgatca gcaggatgct
300

gtgtttggcg gcggcacgaa gttaaccgtt cttggccag
339

<210> 354
<211> 330
<212> DNA
<213> Homo sapiens

<400> 354
gatatcgaac tgacccagcc gccttcagtg agcgttgcac caggtcagac cgcgcgtatc
60

tcgtgtagcg gcgataatat tcctaatttt tatgttcatt ggtaccagca gaaacccggg
120

caggcgccag ttcttgtgat ttatgaggat tctgatcgtc cctcaggcat cccggaacgc
180

tttagcggat ccaacagcgg caacaccgcg accctgacca ttagcggcac tcaggcggaa
240

gacgaagcgg attattattg ccagtcttat gataagccta ctttttctgg tgtgtttggc
300

ggcggcacga agttaaccgt tcttggccag
330

<210> 355
<211> 339
<212> DNA
<213> Homo sapiens

<400> 355
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatattggt cgttatcatt atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa agttatgatt tattctgttt ctaagcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc tctgcttatg atactaataa ttatctttct
300

gtgtttggcg gcggcacgaa gttaaccgtt cttggccag
339

<210> 356
<211> 324
<212> DNA
<213> Homo sapiens

<400> 356
gatatcgtgc tgacccagcc gccttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtagcg gcagcagcag caacattggt aataattctg tgaattggta ccagcagttg
120

cccgggacgg cgccgaaact tctgatttat aataatcagc gtccctcagg cgtgccggat
180

cgttttagcg gatccaaaag cggcaccagc gcgagccttg cgattacggg cctgcaaagc
240

gaagacgaag cggattatta ttgccaggct tatgcttcta atattgtgtt tggcggcggc
300

acgaagttaa ccgttcttgg ccag
324

<210> 357
<211> 333
<212> DNA
<213> Homo sapiens

<400> 357
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatgttggt gattataatt atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tatcgtgttg ataatcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc cagtcttggg ttggtccttc tactgtgttt
300

ggcggcggca cgaagttaac cgttcttggc cag
333

<210> 358
<211> 333
<212> DNA
<213> Homo sapiens

<400> 358
gatatcgtgc tgacccagcc gccttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtagcg gcagcagcag caacattggt aataattatg tgtcttggta ccagcagttg
120

cccgggacgg cgccgaaact tctgatttat tctaattctc agcgtccctc aggcgtgccg
180

gatcgtttta gcggatccaa aagcggcacc agcgcgagcc ttgcgattac gggcctgcaa
240

agcgaagacg aagcggatta ttattgccag tcttatgatc ataattctta tactgtgttt
300

ggcggcggca cgaagttaac cgttcttggc cag
333

<210> 359
<211> 324
<212> DNA
<213> Homo sapiens

<400> 359
gatatcgaac tgacccagcc gccttcagtg agcgttgcac caggtcagac cgcgcgtatc
60

tcgtgtagcg gcgataatct tcgttctaag tatgctcatt ggtaccagca gaaacccggg
120

caggcgccag ttcttgtgat ttattctaag gataatcgtc cctcaggcat cccggaacgc
180

tttagcggat ccaacagcgg caacaccgcg accctgacca ttagcggcac tcaggcggaa
240

gacgaagcgg attattattg ctcttcttgg gctcatgatc ataaggtgtt tggcggcggc
300

acgaagttaa ccgttcttgg ccag
324

<210> 360
<211> 330
<212> DNA
<213> Homo sapiens

<400> 360
gatatcgaac tgacccagcc gccttcagtg agcgttgcac caggtcagac cgcgcgtatc
60

tcgtgtagcg gcgataatat tggttctaag gttgctactt ggtaccagca gaaacccggg
120

caggcgccag ttcttgtgat ttattatgat aatgatcgtc cctcaggcat cccggaacgc
180

tttagcggat ccaacagcgg caacaccgcg accctgacca ttagcggcac tcaggcggaa
240

gacgaagcgg attattattg ccagtcttat gatggtcaga tgtctacttc tgtgtttggc
300

ggcggcacga agttaaccgt tcttggccag
330

<210> 361
<211> 339
<212> DNA
<213> Homo sapiens

<400> 361
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatgttggt ggttataatt atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tattctgtta ataatcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc tctacttatg atcatacttc ttctggtttt
300

gtgtttggcg gcggcacgaa gttaaccgtt cttggccag
339

<210> 362
<211> 333
<212> DNA
<213> Homo sapiens

<400> 362
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatattggt cattttaatt atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tattctgtta tttctcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc gcttctttta cttttccttc tcttgtgttt
300

ggcggcggca cgaagttaac cgttcttggc cag
333

<210> 363
<211> 336
<212> DNA
<213> Homo sapiens

<400> 363
gatatcgtgc tgacccagcc gccttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtagcg gcagcagcag caacattggt tctcatactg tgaattggta ccagcagttg
120

cccgggacgg cgccgaaact tctgatttat gatgttaata agcgtccctc aggcgtgccg
180

gatcgtttta gcggatccaa aagcggcacc agcgcgagcc ttgcgattac gggcctgcaa
240

agcgaagacg aagcggatta ttattgcgct tcttgggatt ctgttcaggt ttctcctgtg
300

tttggcggcg gcacgaagtt aaccgttctt ggccag
336

<210> 364
<211> 333
<212> DNA
<213> Homo sapiens

<400> 364
gatatcgtgc tgacccagcc gccttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtagcg gcagcagcag caacattggt aataatcgtg tgtcttggta ccagcagttg
120

cccgggacgg cgccgaaact tctgatttat ggtaataata agcgtccctc aggcgtgccg
180

gatcgtttta gcggatccaa aagcggcacc agcgcgagcc ttgcgattac gggcctgcaa
240

agcgaagacg aagcggatta ttattgctct gcttgggatc ttcttgaggt ttatgtgttt
300

ggcggcggca cgaagttaac cgttcttggc cag
333

<210> 365
<211> 333
<212> DNA
<213> Homo sapiens

<400> 365
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatattggt acttataatc atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tataatgtta ataagcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc tctgcttatg ctccttctgc tgttgtgttt
300

ggcggcggca cgaagttaac cgttcttggc cag
333

<210> 366
<211> 339
<212> DNA
<213> Homo sapiens

<400> 366
gatatcgtgc tgacccagcc gccttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtacgg gcagcagcag caacattggt attggttatg atgtgaattg gtaccagcag
120

ttgcccggga cggcgccgaa acttctgatt tataagaata ctaatcgtcc ctcaggcgtg
180

ccggatcgtt ttagcggatc caaaagcggc accagcgcga gccttgcgat tacgggcctg
240

caaagcgaag acgaagcgga ttattattgc tcttcttatg attcttttca tcatggtatt
300

gtgtttggcg gcggcacgaa gttaaccgtt cttggccag
339

<210> 367
<211> 339
<212> DNA
<213> Homo sapiens

<400> 367
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatcttggt ggttattctt atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa acttatgatt tataatgtta ataatcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc tcttcttatg attatgtttc ttctgatact
300

gtgtttggcg gcggcacgaa gttaaccgtt cttggccag
339

<210> 368
<211> 339
<212> DNA
<213> Homo sapiens

<400> 368
gatatcgcac tgacccagcc agcttcagtg agcggctcac caggtcagag cattaccatc
60

tcgtgtacgg gtactagcag cgatgttggt ggttataatt atgtgtcttg gtaccagcag
120

catcccggga aggcgccgaa agttatgatt tatggtgtta ctaagcgtcc ctcaggcgtg
180

agcaaccgtt ttagcggatc caaaagcggc aacaccgcga gcctgaccat tagcggcctg
240

caagcggaag acgaagcgga ttattattgc cagacttatg atgagcatgg ttttcatatt
300

gtgtttggcg gcggcacgaa gttaaccgtt cttggccag
339

<210> 369
<211> 336
<212> DNA
<213> Homo sapiens

<400> 369
gatatcgtgc tgacccagcc gccttcagtg agtggcgcac caggtcagcg tgtgaccatc
60

tcgtgtagcg gcagcagcag caacattggt aattatcgtg tgtcttggta ccagcagttg
120

cccgggacgg cgccgaaact tctgatttat ggtaataata agcgtccctc aggcgtgccg
180

gatcgtttta gcggatccaa aagcggcacc agcgcgagcc ttgcgattac gggcctgcaa
240

agcgaagacg aagcggatta ttattgctct acttatactg gtcttccttt tactactgtg
300

tttggcggcg gcacgaagtt aaccgttctt ggccag
336

<210> 370
<211> 327
<212> PRT
<213> Homo sapiens

<400> 370

Glu Val Glu Lys Thr Ala Cys Pro Ser Gly Lys Lys Ala Arg Glu Ile
1 5 10 15

```
Asp Glu Ser Leu Ile Phe Tyr Lys Lys Trp Glu Leu Glu Ala Cys Val
            20                  25                  30

Asp Ala Ala Leu Leu Ala Thr Gln Met Asp Arg Val Asn Ala Ile Pro
        35                  40                  45

Phe Thr Tyr Glu Gln Leu Asp Val Leu Lys His Lys Leu Asp Glu Leu
    50                  55                  60

Tyr Pro Gln Gly Tyr Pro Glu Ser Val Ile Gln His Leu Gly Tyr Leu
65                  70                  75                  80

Phe Leu Lys Met Ser Pro Glu Asp Ile Arg Lys Trp Asn Val Thr Ser
                85                  90                  95

Leu Glu Thr Leu Lys Ala Leu Leu Glu Val Asn Lys Gly His Glu Met
            100                 105                 110

Ser Pro Gln Val Ala Thr Leu Ile Asp Arg Phe Val Lys Gly Arg Gly
        115                 120                 125

Gln Leu Asp Lys Asp Thr Leu Asp Thr Leu Thr Ala Phe Tyr Pro Gly
    130                 135                 140

Tyr Leu Cys Ser Leu Ser Pro Glu Glu Leu Ser Ser Val Pro Pro Ser
145                 150                 155                 160

Ser Ile Trp Ala Val Arg Pro Gln Asp Leu Asp Thr Cys Asp Pro Arg
                165                 170                 175

Gln Leu Asp Val Leu Tyr Pro Lys Ala Arg Leu Ala Phe Gln Asn Met
            180                 185                 190

Asn Gly Ser Glu Tyr Phe Val Lys Ile Gln Ser Phe Leu Gly Gly Ala
        195                 200                 205

Pro Thr Glu Asp Leu Lys Ala Leu Ser Gln Gln Asn Val Ser Met Asp
    210                 215                 220

Leu Ala Thr Phe Met Lys Leu Arg Thr Asp Ala Val Leu Pro Leu Thr
225                 230                 235                 240

Val Ala Glu Val Gln Lys Leu Leu Gly Pro His Val Glu Gly Leu Lys
                245                 250                 255

Ala Glu Glu Arg His Arg Pro Val Arg Asp Trp Ile Leu Arg Gln Arg
```

260 265 270

Gln Asp Asp Leu Asp Thr Leu Gly Leu Gly Leu Gln Gly Gly Ile Pro
275 280 285

Asn Gly Tyr Leu Val Leu Asp Leu Ser Met Gln Glu Ala Leu Ser Gly
290 295 300

Thr Pro Cys Leu Leu Gly Pro Gly Pro Val Leu Thr Val Leu Ala Leu
305 310 315 320

Leu Leu Ala Ser Thr Leu Ala
325

<210> 371
<211> 340
<212> PRT
<213> Homo sapiens

<400> 371

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

Lys Thr Ala Cys Pro Ser Gly Lys Lys Ala Arg Glu Ile Asp Glu Ser
20 25 30

Leu Ile Phe Tyr Lys Lys Trp Glu Leu Glu Ala Cys Val Asp Ala Ala
35 40 45

Leu Leu Ala Thr Gln Met Asp Arg Val Asn Ala Ile Pro Phe Thr Tyr
50 55 60

Glu Gln Leu Asp Val Leu Lys His Lys Leu Asp Glu Leu Tyr Pro Gln
65 70 75 80

Gly Tyr Pro Glu Ser Val Ile Gln His Leu Gly Tyr Leu Phe Leu Lys
85 90 95

Met Ser Pro Glu Asp Ile Arg Lys Trp Asn Val Thr Ser Leu Glu Thr
100 105 110

Leu Lys Ala Leu Leu Glu Val Asn Lys Gly His Glu Met Ser Pro Gln
115 120 125

Val Ala Thr Leu Ile Asp Arg Phe Val Lys Gly Arg Gly Gln Leu Asp
130 135 140

```
Lys Asp Thr Leu Asp Thr Leu Thr Ala Phe Tyr Pro Gly Tyr Leu Cys
145                 150                 155                 160

Ser Leu Ser Pro Glu Glu Leu Ser Ser Val Pro Pro Ser Ser Ile Trp
                165                 170                 175

Ala Val Arg Pro Gln Asp Leu Asp Thr Cys Asp Pro Arg Gln Leu Asp
            180                 185                 190

Val Leu Tyr Pro Lys Ala Arg Leu Ala Phe Gln Asn Met Asn Gly Ser
        195                 200                 205

Glu Tyr Phe Val Lys Ile Gln Ser Phe Leu Gly Gly Ala Pro Thr Glu
    210                 215                 220

Asp Leu Lys Ala Leu Ser Gln Gln Asn Val Ser Met Asp Leu Ala Thr
225                 230                 235                 240

Phe Met Lys Leu Arg Thr Asp Ala Val Leu Pro Leu Thr Val Ala Glu
                245                 250                 255

Val Gln Lys Leu Leu Gly Pro His Val Glu Gly Leu Lys Ala Glu Glu
            260                 265                 270

Arg His Arg Pro Val Arg Asp Trp Ile Leu Arg Gln Arg Gln Asp Asp
        275                 280                 285

Leu Asp Thr Leu Gly Leu Gly Leu Gln Gly Gly Ile Pro Asn Gly Tyr
    290                 295                 300

Leu Val Leu Asp Leu Ser Val Gln Glu Ala Leu Ser Gly Thr Pro Cys
305                 310                 315                 320

Leu Leu Gly Pro Gly Pro Val Leu Thr Val Leu Ala Leu Leu Leu Ala
                325                 330                 335

Ser Thr Leu Ala
            340
```