

SEQUENCE LISTING

<110> Agency for Science, Technology and Research

<120> Composition

<130> P000682W01

<150> 10201902550P

<151> 2019-03-19

<160> 102

<170> PatentIn version 3.5

<210> 1

<211> 117

<212> PRT

<213> Mus musculus

<400> 1

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Lys 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

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

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys 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 Thr Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Ala Gly Pro Phe Thr Gly Phe Asn Trp Phe Asp Pro Trp
100 105 110

Gly Gln Gly Thr Leu
115

<210> 2
<211> 104
<212> PRT
<213> Mus musculus

<400> 2

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

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

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

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

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

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

Trp Thr Phe Gly Leu Gly Thr Arg
100

<210> 3
<211> 111
<212> PRT
<213> Mus musculus

<400> 3

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

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

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

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

<210> 4
<211> 104
<212> PRT
<213> Mus musculus

<400> 4

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

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

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

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

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

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

Leu Thr Phe Gly Gly Gly Thr Lys
100

<210> 5
<211> 118
<212> PRT

<213> Mus musculus

<400> 5

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

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

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

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

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

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

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

Trp Gly Lys Gly Thr Thr
115

<210> 6

<211> 105

<212> PRT

<213> Mus musculus

<400> 6

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

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

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

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

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

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

Leu Tyr Thr Phe Gly Gln Gly Thr Lys
100 105

<210> 7
<211> 117
<212> PRT
<213> Mus musculus

<400> 7

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

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

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

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys 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 Asp Tyr Gly Asp Tyr Tyr Arg Pro Tyr Gly Met Asp Val Trp
100 105 110

Gly Gln Gly Thr Thr
115

<210> 8
<211> 103
<212> PRT
<213> Mus musculus

<400> 8

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

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

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

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

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

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

Thr Phe Gly Gly Gly Thr Lys
100

<210> 9
<211> 124
<212> PRT
<213> Mus musculus

<400> 9

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

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

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

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

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

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

Ala Lys Glu Gly Thr Tyr Tyr Tyr Asp Ser Ser Gly Tyr Trp Asp Tyr
100 105 110

Tyr Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Thr
115 120

<210> 10
<211> 108
<212> PRT
<213> Mus musculus

<400> 10

Asp Val 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 Asp Ser
20 25 30

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

Pro Gln Arg Leu Ile Tyr Leu Gly Ser Ile 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 Asp Asp Val Gly Val Tyr Tyr Cys Met Gln Ala
85 90 95

Leu Gln Thr Pro Trp Thr Phe Gly Gln Gly Thr Lys

100

105

<210> 11
 <211> 107
 <212> PRT
 <213> Mus musculus

<400> 11

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

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

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

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

<210> 12
 <211> 108
 <212> PRT
 <213> Mus musculus

<400> 12

Glu Ile Val Leu 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 Asn Tyr Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser

35

40

45

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

Asp Arg Phe Ser Gly Ser Ala 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 Met Gln Ala
 85 90 95

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

<210> 13

<211> 118

<212> PRT

<213> Mus musculus

<400> 13

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

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

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

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

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

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

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

Trp Gly Arg Gly Thr Leu
115

<210> 14
<211> 104
<212> PRT
<213> Mus musculus

<400> 14

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

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

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

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

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

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

Arg Thr Phe Gly Gln Gly Thr Lys
100

<210> 15
<211> 120
<212> PRT
<213> Mus musculus

<400> 15

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

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

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

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

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

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

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

Asp Val Trp Gly Gln Gly Thr Thr
115 120

<210> 16
<211> 105
<212> PRT
<213> Mus musculus

<400> 16

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

Pro Gln Leu Leu Ile Tyr Leu Gly Ser Asn 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 Met Gln Ala
85 90 95

Leu Gln Thr Phe Gly Gln Gly Thr Lys
100 105

<210> 17
<211> 122
<212> PRT
<213> Mus musculus

<400> 17

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

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

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

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

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

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

Gly Met Asp Val Trp Gly Gln Gly Thr Thr
115 120

<210> 18
<211> 102
<212> PRT
<213> Mus musculus

<400> 18

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

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser 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 Ile Pro Asp Arg Phe Ser Gly
50 55 60

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

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

Phe Gly Gly Gly Thr Lys
100

<210> 19
<211> 114
<212> PRT
<213> Mus musculus

<400> 19

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 Tyr
20 25 30

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

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

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

Thr Thr

<210> 20
<211> 106
<212> PRT
<213> Mus musculus

<400> 20

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

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

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

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

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

Ser Asp Asp Glu Ala Glu Tyr Tyr Cys Ser Gly Trp Asp Asp Ser Leu
85 90 95

Ser Gly Arg Leu Phe Gly Gly Gly Thr Lys
100 105

<210> 21
<211> 114
<212> PRT
<213> Mus musculus

<400> 21

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

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

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

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

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

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

Ala Arg Asp Ser Pro Tyr Tyr Tyr Tyr Met Asp Val Trp Gly Lys Gly
100 105 110

Thr Thr

<210> 22
<211> 108
<212> PRT
<213> Mus musculus

<400> 22

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

Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val Tyr Ser
20 25 30

Asp Gly Asn Thr Tyr Leu Ser Trp Phe Gln Gln Arg Pro Gly Gln Ser
35 40 45

Pro Arg Arg Leu Val Tyr Lys Val Ser Ser Arg Asp 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 Met Gln Gly
 85 90 95

Thr His Trp Pro Arg Thr Phe Gly Gln Gly Thr Lys
 100 105

<210> 23

<211> 115

<212> PRT

<213> Mus musculus

<400> 23

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

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

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

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

Gly Thr Leu
 115

<210> 24

<211> 107

<212> PRT

<213> Mus musculus

<400> 24

Asn Phe Met Leu Thr Gln Pro His Ser Val Ser Glu Ser Pro Gly Lys
1 5 10 15

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

Tyr Val Gln Trp Tyr Gln Gln Arg Pro Gly Ser Val Pro Thr Thr Val
35 40 45

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

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

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

Ser Asn Tyr Trp Val Phe Gly Gly Gly Thr Lys
100 105

<210> 25

<211> 118

<212> PRT

<213> Mus musculus

<400> 25

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

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

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

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

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

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

Ala Arg Gly Ile Ala Ala Arg Pro Ser Tyr Tyr Tyr Tyr Met Asp Val
100 105 110

Trp Gly Lys Gly Thr Thr
115

<210> 26
<211> 103
<212> PRT
<213> Mus musculus

<400> 26

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 Ser Ser Tyr
20 25 30

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

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

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

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

Thr Phe Gly Gln Gly Thr Arg
100

<210> 27
<211> 112
<212> PRT

<213> Mus musculus

<400> 27

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

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

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

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

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

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

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

<210> 28

<211> 104

<212> PRT

<213> Mus musculus

<400> 28

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

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

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

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

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

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

Ile Thr Phe Gly Gln Gly Thr Arg
100

<210> 29
<211> 112
<212> PRT
<213> Mus musculus

<400> 29

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

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

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

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

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

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

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

<210> 30
<211> 104
<212> PRT
<213> Mus musculus

<400> 30

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

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

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

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

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

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

Gly Thr Phe Gly Gln Gly Thr Lys
100

<210> 31
<211> 110
<212> PRT
<213> Mus musculus

<400> 31

Gln Leu Gln Leu Gln 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

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

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

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

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

Val Met Gly Trp Tyr Phe Asp Leu Trp Gly Arg Gly Thr Leu
100 105 110

<210> 32
<211> 106
<212> PRT
<213> Mus musculus

<400> 32

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

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

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

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

Pro Arg Ala Thr Phe Gly Gln Gly Thr Arg
100 105

<210> 33
<211> 116
<212> PRT
<213> Mus musculus

<400> 33

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

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

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

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

Leu Lys Ser Arg Leu Thr Ile Thr 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 His Ser Arg Ile Ala Ala Arg Arg Val Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu
115

<210> 34
<211> 102
<212> PRT
<213> Mus musculus

<400> 34

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

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

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

Gln Asp Thr Lys 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 Ala Gln Pro Met

65

70

75

80

Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Trp Tyr Ser Thr Ile Met Val
 85 90 95

Phe Gly Gly Gly Thr Lys
 100

<210> 35

<211> 113

<212> PRT

<213> Mus musculus

<400> 35

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

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

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

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

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

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

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

Leu

<210> 36

<211> 103

<212> PRT

<213> Mus musculus

<400> 36

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

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

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

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

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

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

Thr Phe Gly Gln Gly Thr Lys
100

<210> 37

<211> 111

<212> PRT

<213> Mus musculus

<400> 37

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

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

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

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

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

<210> 38
<211> 103
<212> PRT
<213> Mus musculus

<400> 38

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

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

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

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

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

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

Val Phe Gly Gly Gly Thr Lys
100

<210> 39
<211> 112
<212> PRT
<213> Mus musculus

<400> 39

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

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

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

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

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

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

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

<210> 40
<211> 104
<212> PRT
<213> Mus musculus

<400> 40

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

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Ser Ile
20 25 30

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

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

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

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

Arg Thr Phe Gly Gln Gly Thr Lys
100

<210> 41
<211> 112
<212> PRT
<213> Mus musculus

<400> 41

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

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

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

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

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

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

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

<210> 42
<211> 104
<212> PRT
<213> Mus musculus

<400> 42

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

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

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

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

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

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

Ser Thr Phe Gly Gln Gly Thr Lys
100

<210> 43
<211> 123
<212> PRT
<213> Mus musculus

<400> 43

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

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

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

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

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

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

Ala Arg Ala Asp Ser Ser Ser Trp Tyr Val Gly Thr Tyr Tyr Tyr Tyr
100 105 110

Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Thr
115 120

<210> 44
<211> 108
<212> PRT
<213> Mus musculus

<400> 44

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

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

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

Pro Gln Leu Leu Ile Tyr Leu Gly Ser Asn 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 Gly Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Val
85 90 95

Leu Gln Thr Pro Trp Thr Phe Gly Gln Gly Thr Lys
100 105

<210> 45
<211> 112
<212> PRT
<213> Mus musculus

<400> 45

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

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

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

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

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

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

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

<210> 46
<211> 104
<212> PRT
<213> Mus musculus

<400> 46

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

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

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

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

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

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

85

90

95

Gln Thr Phe Gly Gln Gly Thr Lys
100

<210> 47
<211> 112
<212> PRT
<213> Mus musculus

<400> 47

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

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

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

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

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

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

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

<210> 48
<211> 104
<212> PRT
<213> Mus musculus

<400> 48

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

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Glu Ser Val Ser Ser Arg

20

25

30

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

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

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

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

Gly Thr Phe Gly Gln Gly Thr Lys
 100

<210> 49
 <211> 351
 <212> DNA
 <213> Mus musculus

<400> 49
 caggtgcagc tgcaggagtc ggggggaggc ctggtcaagc ctgggggggtc cctgagactc 60
 tcctgtgcag cctctggatt caccttcagt agctatagca tgaactgggt ccgccaggct 120
 ccagggaagg ggctggagtg ggtggcagtt atatcatatg atggaagtaa taaatactat 180
 gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240
 ctgcaaatga acagcctgag aactgaggac acggctgtgt attactgtgc gaggggcgcg 300
 gggcctttta cgggattcaa ctggttcgac ccctggggcc agggaaccct g 351

<210> 50
 <211> 312
 <212> DNA
 <213> Mus musculus

<400> 50
 gaaattgtgt tgacacagtc tccagccacc ctgtctgtgt ctccaggga gagagccacc 60
 ctctcctgca gggccagtca gagtgttgac agctacttag cctggtacca gcagaaacct 120
 ggccaggctc cccggctcct catctatagt gcgtccacga gggccactgg tatcccagcc 180

aggttcagtgc gactgggtc tgggacagag ttcactctca ccatcagcag cctgcagtct	240
gaagattttg cagtttacta ctgtcagcag tataagaggt ggcccacgtg gacgttcggt	300
ctagggacca gg	312

<210> 51
 <211> 333
 <212> DNA
 <213> Mus musculus

<400> 51	
gaggtccagc tggtacagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc	60
tcctgtgcag cctctggatt caccttcagt agctatgcta tgcactgggt ccgccaggct	120
ccaggcaagg ggctggagt ggtggcagtt atatcatatg atggaagcaa taaatactac	180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cagctgtat	240
ctgcaaatga acagcctgag agctgaggac acggctgtgt attactgtgc gagagcccct	300
gggttggagg actactgggg ccagggaacc ctg	333

<210> 52
 <211> 312
 <212> DNA
 <213> Mus musculus

<400> 52	
gacatccaga tgaccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc	60
atcacttgcc gggcaagtca gagcattagc agctatttaa attggtatca gcagaaacca	120
gggacagccc ctaagctcct gatctatgct gcatcatcca gtttaciaaag tggggtccca	180
tcaaggttca gcggcagtg atctggcaca gatttcgctc tcaccatcag cagcctgcag	240
cctgaagatt ttgcaactta ttactgtcta caagattaca attaccctct cactttcggc	300
ggagggacca ag	312

<210> 53
 <211> 354
 <212> DNA
 <213> Mus musculus

<400> 53	
gaggtccagc tggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc	60
tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc	120

cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggtac agcaaactac	180
gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac	240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagagagtgg	300
cagcagcagc tggtaccctt cggctacatg gacgtctggg gcaaaggac cacg	354

<210> 54
 <211> 315
 <212> DNA
 <213> Mus musculus

<400> 54	
gaaacgacac tcacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc	60
ctctcctgta gggccagtca cagtgttagc agcaacttct tagcctggta ccagcagaaa	120
cctggccagg ctcccaggct cctcatctat gctgcatcca gcaggaccac tggcgtccca	180
gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag	240
cctgaagatt ctgcagtgtg ttactgtcag caatatggtt actcaccctt gtacactttt	300
ggccagggga ccaag	315

<210> 55
 <211> 351
 <212> DNA
 <213> Mus musculus

<400> 55	
caggtccagc tggtgcagtc tgggggaggc ttggtaaagc cagggcggtc cctgagactc	60
tcctgtacag cttctggatt cacctttggg gattatgcta tgcactgggt ccgccaggct	120
ccaggcaagg ggctggagtg ggtggcagtt atatcatatg atggaagcaa taaatactat	180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat	240
ctgcaaatga acagcctgag agctgaggac acggctgtgt attactgtgc gagagattac	300
ggtgattact atcggcccta cggtatggac gtctggggcc aagggaccac g	351

<210> 56
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 56

gacatccaga tgacccagtc tccttccacc ctgtctgcct ctgtaggaga cagagtcacc	60
atcacttgtc gggccagtca gagtattagt aagtggttgg cctgggtatca gcataaacca	120
gggaaagccc ctaaagtcct gatctataag gcgtctactt tacaaagtgg ggtcccgtcg	180
aggttcagcg gcagtggatc tgggacagaa ttcactctca caatcagcag cctgcagcct	240
gaagattttg caacttatta ctgtcaacag cttaatagtt acccgctcac tttcggcgga	300
gggaccaag	309

<210> 57
 <211> 372
 <212> DNA
 <213> Mus musculus

<400> 57	
caggtgcagc tgcaggagtc cgggggaggc gtggtccagc ctgggaggtc cctgagactc	60
tcctgtgcag cctctggatt caccttcagt agctatgcta tgcactgggt ccgccaggct	120
ccaggcaagg ggctggagt ggtggcagtt atatcatatg atggaagcaa taaatactac	180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat	240
ctgcaaatga acagcctgag agctgaggac acggctgtgt attactgtgc gaaagaggga	300
acgtattact atgatagtag tggttattgg gactactact acggtatgga cgtctggggc	360
caagggacca cg	372

<210> 58
 <211> 324
 <212> DNA
 <213> Mus musculus

<400> 58	
gatgttgtga tgactcagtc tccactctcc ctgcccgtca cccctggaga gccggcctcc	60
atctcctgca ggtctagcca gagcctcctg gatagtgacg gatacaactt tttggattgg	120
tatgtgcaga agccaggga gtctccacag cgcctgatct atttgggctc tattcgggcc	180
tccgggggtcc ctgacagggt cagtggcagt ggatcaggca cagattttac actgaaaatc	240
agcagagtgg aggctgacga tgttgggggt tattattgca tgcaagctct acaaactcct	300
tggacgttcg gccaaggga caag	324

<210> 59

<211> 321
<212> DNA
<213> Mus musculus

<400> 59
caggtccagc tgggtgcagtc tggagctgag gtgaagaagc ctggggcctc agtgaaggtc 60
tcctgcaagg cttctggtta cacctttacc agctatggta tcagctgggt gcgacaggcc 120
cccggacaaa ggcttgagtg gatgggatgg atcaacgctg gcaatggtaa cacaaaatat 180
tcacagaagt tccagggcag agtcaccatt accagggaca catccgcgag cacagcctac 240
atggagctga gcagcctgag atctgaagac acggctgtgt attactgtgc gaccgttgtc 300
tactggggcc agggcacct g 321

<210> 60
<211> 324
<212> DNA
<213> Mus musculus

<400> 60
gaaattgtgc tgactcagtc tccactctcc ctgcccgtca cccctggaga gccggcctcc 60
atctcctgca ggtctagtca gaggcctcctg catagtaatg gatacaacta tttggattgg 120
tacctgcaga agccagggca gtctccacag atcctgatct acttgggttc tcatcgggcc 180
tccgggggtcc ctgacagggt cagtggcagt gcatcaggca cagattttac actgaaaatc 240
agcagagtgg aggctgagga tgttgggggt tattactgca tgcaagctct acaaactccc 300
ctcactttcg gcggaggggac caag 324

<210> 61
<211> 354
<212> DNA
<213> Mus musculus

<400> 61
caggtgcagc tgcaggagtc cggcgcagga ctgttgaggc cttcggagac cctgtccctc 60
acttgcgctg tctatggtgg gtccttcagt ggttactact ggagctggat ccgccagccc 120
ccagggaagg ggctggagt gcttggggaa atcagtcata gtggaagcac caactacaac 180
ccgtccctca agagtcgagt caccatatca gttgacacgt ccaagaacca gttctccctg 240
aagctgagct ctgtgaccgc cgcggacgcg gctgtatatt actgtgagat atgggttttg 300
agtggttatt ataacggtga ggggtacttc gatctctggg gccgtggcac cctg 354

<210> 62
<211> 312
<212> DNA
<213> Mus musculus

<400> 62
gaaacgacac tcacgcagtc tcctggcacc ctgtctttgt ctccaggtga aagagccacc 60
ctctcctgta gggccagtca gagggttagc agcagctact tagcctggta ccagcagaag 120
cctggccagg ctcccaggct cctcatctat ggtgcatcca gcagggccac tggcatccca 180
gacaggttca gtggccgtgg gtctgggaca gacttcactc tcactatcac cagactggag 240
cctgaagatt ttgcagtgtg ttactgtcag tactatggta gtcacctcg gacttttggc 300
caggggacca ag 312

<210> 63
<211> 360
<212> DNA
<213> Mus musculus

<400> 63
gaggtccagc tgggtgcagtc tggagctgag gtgaagaagc ctggggcctc agtgaaggtc 60
tcctgcaagg cttctgggta cacctttacc agctacggta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggatgg atcagcgctt acaatggtaa cacaaactat 180
gcacagaagc tccagggcag agtcaccatg accacagaca catccacgag cacagcctac 240
atggagctga ggagcctgag atctgacgac acggccgtgt attactgtgc gagagacgga 300
ttaagcagca gctggttcta ctactactac ggtatggacg tctggggcca agggaccacg 360

<210> 64
<211> 315
<212> DNA
<213> Mus musculus

<400> 64
gatgttgtga tgactcagtc tccactatcc ctgcccgtca cccctggaga gccggcctcc 60
atctcctgca ggtctagtca gaggctcctg catagtaatg gatacaacta tttggattgg 120
tacctgcaga agccagggca gtctccacag ctctgatctt atttgggttc taatcgggcc 180
tccgggggtcc ctgacagggt cagtggcagt ggatcaggca cagattttac actgaaaatc 240

agcagagtgg aggctgagga tgttgggggtt tattactgca tgcaagctct acaaactttt	300
ggccagggga ccaag	315

<210> 65
 <211> 366
 <212> DNA
 <213> Mus musculus

<400> 65	
caggtccagc tgggtacagtc tggagctgag gtgaagaagc ctggggcctc agtgaaggtc	60
tcctgcaagg cttctgggta cacctttacc agctacggta tcagctgggt gcgacaggcc	120
cctggacaag ggcttgagt gatgggatgg atcagcgctt acaatggtaa cacaaactat	180
gcacagaagc tccagggcag agtcaccatg accacagaca catccacgag cacagcctac	240
atggagctga ggagcctgag atctgacgac acggccgtgt attactgtgc gagagatggg	300
ggacttatag cagcagcttt cggttactac tactacggta tggacgtctg gggccaaggg	360
accacg	366

<210> 66
 <211> 306
 <212> DNA
 <213> Mus musculus

<400> 66	
gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc	60
ctctcctgca gggccagtca gagtgttagc agctacttag cctgggtacca gcagaaacct	120
ggccaggctc ccaggctcct catctatggg gcatccagca gggccactgg catcccagac	180
aggttcagtg gcagtgggtc tgggacagac ttactctca ccatcagcag actggagcct	240
gaagattttg cagtgtacta ctgtcaacag tatgagaggc cccccacttt cggcgggggg	300
accaag	306

<210> 67
 <211> 342
 <212> DNA
 <213> Mus musculus

<400> 67	
caggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggtc	60
tcctgcaagg cttctggata caccttcacc ggctactata tgcactgggt gcgacaggcc	120

cctggacaag ggcttgagtg gatgggatgg atcaacccta acagtgggtgg cacaaactat	180
gcacagaact ttcagggcgag agtcaccatt accaggggaca catccgcgag cacagcctac	240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gaggggatcg	300
tggcaaacgg gttcttttga tatctggggc caaggaacca cg	342

<210> 68
 <211> 318
 <212> DNA
 <213> Mus musculus

<400> 68	
tcctatgagc tgactcagcc accctcagtg tctgggaccc ccgggcagag tgtcaccatc	60
tcttgttctg ggagcaactc caacctcgga tctaattatg tgtactggta ccaggtggtc	120
ccaggcacgg cccccaaact cgtcatctat agaaataaat atcggtcccc aggggtccct	180
gaccgattct ctggctccaa gtctggcacc tcagcctccc tggccatcag tgggctccgg	240
tccgacgatg aggctgaata ttattgttcc ggatgggatg acagcctgag tggtcgacta	300
ttcggcggag ggaccaag	318

<210> 69
 <211> 342
 <212> DNA
 <213> Mus musculus

<400> 69	
gaggtccagc tggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc	60
tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc	120
cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggtac agcaaactac	180
gcacagaagt tccagggcgag agtcacgatt accgcggacg aatccacgag cacagcctac	240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagagacagc	300
ccctactact actacatgga cgtctggggc aaagggacca cg	342

<210> 70
 <211> 324
 <212> DNA
 <213> Mus musculus

<400> 70

gatgttgtga tgactcagtc tccgctcttc ctgcccgtca cccttggaca gccggcctcc	60
atctcctgca ggtctagtca aagcctcgta tacagtgatg gaaacaccta cttgagttgg	120
tttcagcaga ggccaggcca atctccaagg cgcctagttt ataaggtttc tagccgggac	180
tctgggggtcc cagacagatt cagcggcagt gggtcaggca ctgatttcac actgaaaatc	240
agcaggggtgg aggctgagga tgttgggggtt tattactgca tgcaaggtac aacttggcct	300
cggacgttcg gccaaaggac caag	324

<210> 71
 <211> 345
 <212> DNA
 <213> Mus musculus

<400> 71	
caggtgcagc tgcaggagtc ggggggaggc gtggtccagc ctgggaggtc cctgagactc	60
tcctgtgcag cctctggatt caccttcagt agctatgcta tgcactgggt ccgccaggct	120
ccaggcaagg ggctggagtg ggtggcagtt atatcatatg atggaagtaa taaatactac	180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat	240
ctgcaaatac acagcctgag agctgaggac acggctgtgt attactgtgc gtacggtaga	300
tacaactgga atctttactt tgactactgg ggccaggga ccctg	345

<210> 72
 <211> 321
 <212> DNA
 <213> Mus musculus

<400> 72	
aattttatgc tgactcagcc ccactctgtg tcggagtctc cggggaagac ggttaccatc	60
tcctgcaccg gcagcagtgg cagcattgcc agcaactatg tgcagtggta ccagcagcgc	120
ccgggcagtg tccccaccac tgtgatctat gaggataacc aaagaccctc tggggtcctt	180
gatcggttct ctggctccat cgacagctcc tccaactctg cctccctcac catctctgga	240
ctgaagactg aggacgaggc tgactactac tgtcagtctt ttgatagcag caattattgg	300
gtgttcggcg gagggaccaa g	321

<210> 73
 <211> 354
 <212> DNA

<213> Mus musculus

<400> 73

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tcctgcaagg	cttctggagg	caccttcagc	agctatgcta	tcagctgggt	gcgacaggcc	120
cctggacaag	ggcttgagt	gatgggaggg	atcatcccta	tctttggtac	agcaaactac	180
gcacagaagt	tccagggcag	agtcacgatt	accgcggaca	aatccacgag	cacagcctac	240
atggagctga	gcagcctgag	atctgaggac	acggccgtgt	attactgtgc	gagaggcata	300
gcagctcgtc	cgagctacta	ctactacatg	gacgtctggg	gcaaagggac	cacg	354

<210> 74

<211> 309

<212> DNA

<213> Mus musculus

<400> 74

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atcacttgcc	gggcaagtca	gaacattagc	agctatttaa	attggtatca	gcagaaacca	120
gggaaagccc	ctaagctcct	gatctatgct	gcatccagtt	tgcaaagtgg	agtcccatca	180
aggttcagtg	gcagtggatc	tgggacagat	ttcatttctca	ccatcagcag	tctgcaacct	240
gaagattttg	caacttacta	ctgtcaacag	agttacagta	cccccccccac	cttcggccaa	300
gggacacga						309

<210> 75

<211> 336

<212> DNA

<213> Mus musculus

<400> 75

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acctgcgctg	tctatggtgg	gtccttcagt	ggttactact	ggagctggat	ccgccagccc	120
ccagggaagg	ggctggagt	gattggggaa	atcaatcata	gtggaagcac	caactacaac	180
ccgtccctca	agagtcgagt	caccatatca	gtagacacgt	ccaagaacca	gttctccctg	240
aagctgagct	ctgtgaccgc	cgcgacacg	gctgtgtatt	actgtgcgag	actttataaa	300
aggaggccct	ttgactactg	gggccagggc	accctg			336

<210> 76
<211> 312
<212> DNA
<213> Mus musculus

<400> 76
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ctctcctgca gggccagtca gagggttagc agcagctact tagcctggta ccagcagaaa 120
cctggccagg ctcccaggct cctcatctat ggtgcatcca gaagggccac tggcatccca 180
gacagggttca gcggcagtggt gtctgggaca gacttcactc tcaccatcag cagactggag 240
cctgaagatt ttgcagtgtt ttactgtcag cagtatggta gctcaccgat caccttcggc 300
caaggacac ga 312

<210> 77
<211> 336
<212> DNA
<213> Mus musculus

<400> 77
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acctgcgctg tctatggtgg gtccttcagt ggttactact ggagctggat ccgccagccc 120
ccaggaagg ggctggagtg gattggggaa atcaatcata gtggaagcac caactacaac 180
ccgtccctca agagtcgagt caccatatca gtagacacgt ccaagaacca gttctccctg 240
aagctgagct ctgtgaccgt cgcggacacg gctgtgtatt actgtgcgag actttataaa 300
aggaggccct ttgactactg gggccaggga accctg 336

<210> 78
<211> 312
<212> DNA
<213> Mus musculus

<400> 78
gaaacgacac tcacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc 60
ctctcctgca gggccagtca gagggttagc agcacctact tagcctggta ccagcagaaa 120
cctggccagg ctcccaggct cctcatttac ggtgcatcca ggcgggccac tggctcccca 180
gagagggttca gtggcggtgg gtctgggaca gacttcactc tcaccatcag tagactggag 240
cccgaagatt tcgcagtcta ttactgtcaa cattatggta actcaccggg gacgttcggc 300

caagggacca ag 312

<210> 79
<211> 330
<212> DNA
<213> Mus musculus

<400> 79
cagctgcagc tgcaggagtc cgggggaggc ttggtacagc ctggggggtc cctgagactc 60
tcctgtgcag cctctggatt cacctttagc agctatgtca tgagctgggt ccgccaggct 120
ccaggaagg ggctggagtg ggtctcaact atcagtggta gtggtgggag cacatactac 180
gcagactccg tgaagggcag attcaccatc tccagagaca attccaagaa cacgctgtat 240
cttcaaata gcaagtctgag agctgaggac acggctgtgt attattgtgt gatgggctgg 300
tacttcgatc tctggggccg tggaaccctg 330

<210> 80
<211> 318
<212> DNA
<213> Mus musculus

<400> 80
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ctctcctgca gggccagtca gagtgttagc agcagctact tagcctggta ccagcagaaa 120
cctggccagg ctcccaggct cctcatctat gatgcatcca acagggccac tggcatccca 180
gccagggttca gtggcagtggt gtctgggaca gacttcactc tcaccatcag cagcctagag 240
cctgaagatt ttgcagttta ttactgtcag cagcgtagca actggccccc gagggccacc 300
ttcggccaag ggacacga 318

<210> 81
<211> 348
<212> DNA
<213> Mus musculus

<400> 81
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acctgcacct tctctggggt ctcactcagc actagtggag tgggtgtggg ctggatccgt 120
cagccccag gaaaggccct ggagtggctt gcactcattt attggaatga tgataagcgc 180
tacagcccat ctctgaagag caggctcacc atcaccaagg acacctcaa aaaccaggtg 240

gtccttataa tgaccaacat ggaccctgtg gacacagcca catattactg tgcacacagc	300
cgtatagcag ctcgtcgggt gcttgactac tggggccagg gaaccctg	348

<210> 82
 <211> 306
 <212> DNA
 <213> Mus musculus

<400> 82	
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acctgtgggg gaaacaacat tggaagtaaa agtgtgcact ggtaccagca gaagccaggc	120
cagtccccctg tgctgggtcat ctatcaagat accaagcggc cctcagggat ccctgagcga	180
ttctctggct ccaactctgg gaacacagcc actctgacca tcagcggagc ccagcctatg	240
gatgaggctg actattactg tcaggcgtgg tacagcacca ttatggtatt tggcggaggg	300
accaag	306

<210> 83
 <211> 339
 <212> DNA
 <213> Mus musculus

<400> 83	
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acctgcgctg tctctgggtg ctccatcagc agtagtaact ggtggagttg ggtccgccag	120
cccccaggga aggggctgga gtggattggg gaaatctatc atagtgggag caccaactac	180
aaccctgtccc tcaagagtcg agtcaccata tcagtagaca agtccaagaa ccagttctcc	240
ctgaagctga gctctgtgac cgccgcggac acggccgtgt attactgtgc gagagatact	300
tctgggggtg cttttgacta ctggggccag ggcaccctg	339

<210> 84
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 84	
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ctctcctgca gggccagtca gagtgttagc agcagctact tagcctggta ccagcagaaa	120

cctggccagg ctcccaggct cctcatctat ggtgcatcca gcagggccac tggcatccca	180
gacaggttca gtggcgggtg gtctgggaca gacttcactc tcaccatcag cagactggag	240
cctgaagatt ctgcagtgtg ttactgtcag caatatgatc attcacccac ttttggccag	300
gggaccaag	309

<210> 85
 <211> 333
 <212> DNA
 <213> Mus musculus

<400> 85	
gacgtgcagc tcgtggagtc tggaggaggc ttggtacagc ctgggggggc cctgagactc	60
tcctgtgcag cctctggatt caccttttagc agctatgcca tgagctgggt ccgccaggct	120
ccagggaagg ggctggagtg ggtctcagct attagtggta gtggtggtag cacatactac	180
gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat	240
ctgcaaatga acagcctgag agccgaggac acggccgtat attactgtgc ggaggggagg	300
atacagcttg actactgggg ccagggaacc ctg	333

<210> 86
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 86	
ctgcctgtgc tgactcagcc cccctcagtg tccgtgtccc caggacagac agccaggatc	60
acctgctctg gatatgaatt gggggataaa tatgctttct ggtatcagca gaagccaggc	120
cagtccccctg ttctgggtcat ttatcaagat accaagcggc cctcagggat ccctgagcga	180
ttctctggct ccagctctgg ggacacagcc actctgatca tcagcgggac ccaaattttg	240
gatgaggctg actattactg tcaggcgtgg gacagcagca cccatgtggt attcggcgga	300
gggaccaag	309

<210> 87
 <211> 336
 <212> DNA
 <213> Mus musculus

<400> 87	
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acctgcgctg cctatggtgg gtccttcagt ggttactact ggagctggat ccgccagccc	120
ccagggaagg ggctggagtg gattggggaa atcaatcata gtggaagcac caactacaac	180
ccgtccctca agagtcgagt caccatatca gtagacacgt ccaagaacca gttctccctg	240
aagctgagct ctgtgaccgc cgcggacacg gctgtgtatt actgtgagag actttataaa	300
aggaggccct ttgactactg gggccaggga accctg	336

<210> 88
 <211> 312
 <212> DNA
 <213> Mus musculus

<400> 88	
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ctctcctgca gggccagtca gagtattagc agcatctact tagcctggta ccagcagaaa	120
cctggccagg ctcccaggct cctcatttat ggtgcatcca ggagggccac tggcatccca	180
gacaggttca gtggcagtggt gtctgggaca gacttcactc tcaccatcag cagactggag	240
cctgaagatt ttgcagtgtg ttactgtcag cagtatggta gctcacttcg gacgttcggc	300
caagggacca ag	312

<210> 89
 <211> 336
 <212> DNA
 <213> Mus musculus

<400> 89	
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acctgcgctg tctatggtgg gtccttcagt ggttactact ggagctggat ccgccagccc	120
ccagggaagg ggctggagtg gattggggaa atcaatcata gtggaagcac caactacaac	180
ccgtccctca agagtcgagt caccatatca gtagacacgt ccaagaacca gttctccctg	240
aagctgagct ctgtgaccgc cgcggacacg gctgtgtatt actgtgagag actttataaa	300
aggaggccct ttgactactg gggccagggc accctg	336

<210> 90
 <211> 312
 <212> DNA
 <213> Mus musculus

<400> 90
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ctctcctgca gggccagtca gagtgttagc agcagctact tagcctggta ccagcagaaa 120
cgtggccagg ctcccaggct cctcatctat ggtgcatccc gcagggccac tggcatccca 180
gacaggttca gtggcagtgg gtctgggtca gacttcactc tcaccatcag cagactggag 240
cctgaagatt ttgcagtgta ttactgtcag cagtatggta gtcaccctc gacgttcggc 300
caagggacca ag 312

<210> 91
<211> 369
<212> DNA
<213> Mus musculus

<400> 91
gaggtccagc tgggtgcagtc tggagctgag gtgaagaagc ctggggcctc agtgaaagtc 60
tcctgcaagg cttctggtta cacctttcgt aactatggta tcagttgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggatgg atcagcgctt acaatggtaa cacaaactat 180
gcacagaagc tccagggcag agtcaccatg accacagaca catccacgag cacagcctac 240
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agcagcagct ggtacgtcgg gacttactac tactactacg gtatggacgt ctggggccaa 360
gggaccacg 369

<210> 92
<211> 324
<212> DNA
<213> Mus musculus

<400> 92
gatgttgta tgactcagtc tccactctcc ctgcccgtca cccctggaga gtcggcctcc 60
atctcctgca ggtctagtca ggcctcctg catagtaatg gatacaacta tttggattgg 120
tacctgcaga agccagggca gtctccacag ctctgatct atttgggttc taatcgggcc 180
tccgggggtcc ctgacagggt cagtggcagt ggatcaggca cagattttac actgaaaatc 240
agcagagtgg gggctgagga tgttgggggt tattactgta tgcaagttct acaaactccc 300
tggacgttcg gccaaaggac caaa 324

<210> 93
<211> 336
<212> DNA
<213> Mus musculus

<400> 93
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ccagggaagg ggctggagtg gattggggaa atcaatcata gtggaagcac caactacaac 180
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aagctgagct ctgtgaccgc cgcggacacg gctgtgtatt actgtgcgag actttataaa 300
aggaggccct ttgactactg gggccagggc accctg 336

<210> 94
<211> 312
<212> DNA
<213> Mus musculus

<400> 94
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cctggccagg ctcccaggct cctcatctat aatgcgtcca ggagggccac tggcatccca 180
gacaggttca gtggcagtggt gtctggggca gacttcactc tcaccatcag cagactggat 240
cctgaagatt ttgcagtgtg tttctgtcag cagtatggta gctcacctca gacgttcggc 300
caagggacca ag 312

<210> 95
<211> 336
<212> DNA
<213> Mus musculus

<400> 95
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ccagggaagg ggctggagtg gattggggaa atcaatcata gtggaagcac caactacaac 180
ccgtccctca agagtcgagt caccatatca gtagacacgt ccaagaacca gttctccctg 240
aagctgagct ctgtgaccgc cgcggacacg gctgtgtatt actgtgcgag actttataaa 300

aggaggccct ttgactactg gggccagggc accctg 336

<210> 96
<211> 312
<212> DNA
<213> Mus musculus

<400> 96
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cctggccagg ctcccaggct cctcatttac ggtgcatcca ggcgggccac tggctcccca 180
gagaggttca gtggcggtgg gtctgggaca gacttcactc tcaccatcag tagactggag 240
cccgaagatt tcgcagtcta ttactgtcaa cattatggta actcaccggg gacgttcggc 300
caagggacca ag 312

<210> 97
<211> 119
<212> PRT
<213> Mus musculus

<400> 97

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

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

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

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

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

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

Thr Thr Val Thr Val Ser Ser
115

<210> 98
<211> 106
<212> PRT
<213> Mus musculus

<400> 98

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

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

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

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

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

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

<210> 99
<211> 357
<212> DNA
<213> Mus musculus

<400> 99

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gacgatcatt actgtctgga ttattgggga cagggcacta ccgtgacagt ctctagt 357

<210> 100
<211> 318
<212> DNA
<213> Mus musculus

<400> 100
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actaaagtgg aaatcaag 318

<210> 101
<211> 243
<212> PRT
<213> Mus musculus

<400> 101

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

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

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

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

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

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

Thr Thr Val Thr Val Ser Ser Gly Glu Gly Thr Ser Thr Gly Ser Gly
115 120 125

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

Pro Ala Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys
145 150 155 160

Arg Ala Ser Gln Ser Val Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Arg Trp Ile Tyr Asp Thr Ser Lys Val Ala Ser
180 185 190

Gly Val Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
195 200 205

Leu Thr Ile Asn Ser Leu Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys
210 215 220

Gln Gln Trp Ser Ser Asn Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225 230 235 240

Glu Ile Lys

<210> 102
<211> 729
<212> DNA
<213> Mus musculus

<400> 102
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cctggccagg ggctggagtg gatcggctac attaacccaa gcagagggtg cacaaattat	180
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gacgatcatt actgtctgga ttattgggga cagggcacta ccgtgacagt ctctagtggg	360
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tcagggagcg gaactgacta ttctctgacc attaatagtc tggaggctga agatgccgct	660
acctactatt gtcagcagtg gtcaagcaac cctctgacat tcggggggggg aactaaagtg	720
gaaatcaag	729