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<110> MEDIMMUNE LIMITED

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<130> 1848081-0002-093-WO1

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<150> 62/637,766
<151> 2018-03-02

<150> 62/472,462
<151> 2017-03-16

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<170> PatentIn versión 3.5

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

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

Asp Asp Ser 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 Met
65   70   75   80

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

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

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

His His 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

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100 105 110

Val Thr Val Ser Ser
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gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

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1   5

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

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

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

Val Thr Val Ser Ser
115

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Ser Tyr Ala Met Asn
1 5

<210> 24
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1 5 10 15

Gly

<210> 25
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20 25 30

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

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

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Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

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Asp Asp Ser Asn Arg Pro Ser
1   5

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            20   25   30

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

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

Val Thr Val Ser Ser
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Ser Tyr Ala Met Asn
1   5

<210> 34
<211> 17
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1   5   10   15

Gly

<210> 35
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1   5

<210> 36
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ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggccatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

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1   5

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ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

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20 25 30

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

Ser Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser 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 Asn Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
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Val Thr Val Ser Ser
115

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Ser Tyr Ala Met Asn
1 5

<210> 44
<211> 17
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Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
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Gly

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ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggccatg 240

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20 25 30

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

Asp Asp Ser 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 Met
65 70 75 80

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85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

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ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

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<213> Homo sapiens

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20 25 30

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

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

Val Thr Val Ser Ser
        115

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<400> 53
Ser Tyr Ala Met Asn
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<210> 54
<211> 17
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<213> Homo sapiens

<400> 54
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 55
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<213> Homo sapiens

<400> 55
Ile His His Asp Pro Met Asp Val
1   5

<210> 56
<211> 333
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Thr Ala Ser Ile Thr Cys Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val
            20   25   30

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

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<211> 11
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<400> 58
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
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<210> 59
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<211> 117
<212> PRT
<213> Homo sapiens

<400> 62
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 63
<211> 5
<212> PRT
<213> Homo sapiens

<400> 63
Ser Tyr Ala Met Asn
1 5

<210> 64

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

<400> 64
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 65
<211> 8
<212> PRT
<213> Homo sapiens

<400> 65
Ile His His Asp Pro Met Asp His
1   5

<210> 66
<211> 333
<212> ADN
<213> Homo sapiens

<400> 66
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cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 67
<211> 111
<212> PRT
<213> Homo sapiens

<400> 67
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 68
<211> 11
<212> PRT
<213> Homo sapiens

<400> 68
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 69
<211> 7
<212> PRT
<213> Homo sapiens

<400> 69
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 70
<211> 14
<212> PRT
<213> Homo sapiens

<400> 70
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val

1 5 10

<210> 71
<211> 351
<212> ADN
<213> Homo sapiens

<400> 71
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 72
<211> 117
<212> PRT
<213> Homo sapiens

<400> 72
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

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

<400> 73
Ser Tyr Ala Met Asn
1 5

<210> 74
<211> 17
<212> PRT
<213> Homo sapiens

<400> 74
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 75
<211> 8
<212> PRT
<213> Homo sapiens

<400> 75
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 76
<211> 333
<212> ADN
<213> Homo sapiens

<400> 76
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg caccacaacc cgcacacggg ggagaccaac 300

cacttcggcg gagggaccaa gttaaccgtc cta 333

<210> 77
<211> 111
<212> PRT
<213> Homo sapiens

<400> 77
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp His His Asn Pro His Thr
85 90 95

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 78
<211> 11
<212> PRT
<213> Homo sapiens

<400> 78
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

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

<400> 79
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 80
<211> 14
<212> PRT
<213> Homo sapiens

<400> 80
His Thr Trp His His Asn Pro His Thr Gly Glu Thr Asn His
1 5 10

<210> 81
<211> 351
<212> ADN
<213> Homo sapiens

<400> 81
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 82
<211> 117
<212> PRT
<213> Homo sapiens

<400> 82
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 83
<211> 5
<212> PRT
<213> Homo sapiens

<400> 83
Ser Tyr Ala Met Asn
1 5

<210> 84
<211> 17
<212> PRT
<213> Homo sapiens

<400> 84
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 85
<211> 8
<212> PRT
<213> Homo sapiens

<400> 85
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 86
<211> 333
<212> ADN
<213> Homo sapiens

<400> 86
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccaccactgg cacgggaacc accacacggg ggagaccaac 300

cacttcggcg agggaccaa gttaaccgtc cta 333

<210> 87
<211> 111
<212> PRT
<213> Homo sapiens

<400> 87
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His His Trp His Gly Asn His His Thr
85 90 95

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

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

<400> 88
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 89
<211> 7
<212> PRT
<213> Homo sapiens

<400> 89
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 90
<211> 14
<212> PRT
<213> Homo sapiens

<400> 90
His His Trp His Gly Asn His His Thr Gly Glu Thr Asn His
1 5 10

<210> 91
<211> 351
<212> ADN
<213> Homo sapiens

<400> 91
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 92
<211> 117
<212> PRT
<213> Homo sapiens

<400> 92
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 93
<211> 5
<212> PRT
<213> Homo sapiens

<400> 93
Ser Tyr Ala Met Asn
1 5

<210> 94
<211> 17
<212> PRT
<213> Homo sapiens

<400> 94
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 95
<211> 8
<212> PRT
<213> Homo sapiens

<400> 95
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 96
<211> 333
<212> ADN
<213> Homo sapiens

<400> 96
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg caccaccacc cgacgcatgg ggagcacaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 97
<211> 111
<212> PRT
<213> Homo sapiens

<400> 97
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp His His His Pro Thr His
85 90 95

Gly Glu His Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

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

<400> 98
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 99
<211> 7
<212> PRT
<213> Homo sapiens

<400> 99
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 100
<211> 14
<212> PRT
<213> Homo sapiens

<400> 100
His Thr Trp His His His Pro Thr His Gly Glu His Asn Val
1 5 10

<210> 101
<211> 351
<212> ADN
<213> Homo sapiens

<400> 101
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 102
<211> 117
<212> PRT
<213> Homo sapiens

<400> 102
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
        115

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

<400> 103
Ser Tyr Ala Met Asn
1 5

<210> 104
<211> 17
<212> PRT
<213> Homo sapiens

<400> 104
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 105
<211> 8
<212> PRT
<213> Homo sapiens

<400> 105
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 106
<211> 333

<212> ADN
<213> Homo sapiens

<400> 106
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggcacc acacgcatgg ggagcaccac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 107
<211> 111
<212> PRT
<213> Homo sapiens

<400> 107
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

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

Gly Glu His His Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 108
<211> 11
<212> PRT
<213> Homo sapiens

<400> 108
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

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

<400> 109
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 110
<211> 14
<212> PRT
<213> Homo sapiens

<400> 110
Gln Thr Trp Asp Gly His His Thr His Gly Glu His His Val
1 5 10

<210> 111
<211> 351
<212> ADN
<213> Homo sapiens

<400> 111
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 112
<211> 117
<212> PRT

<213> Homo sapiens

<400> 112
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
        115

<210> 113
<211> 5
<212> PRT
<213> Homo sapiens

<400> 113
Ser Tyr Ala Met Asn
1   5

<210> 114
<211> 17
<212> PRT
<213> Homo sapiens

<400> 114
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 115
<211> 8
<212> PRT
<213> Homo sapiens

<400> 115
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 116
<211> 333
<212> ADN
<213> Homo sapiens

<400> 116
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gaccacaacc accacacggg gcacaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 117
<211> 111
<212> PRT
<213> Homo sapiens

<400> 117
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

Gln Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr

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        35                  40                  45

Asp Asp Ser 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 Met
65                  70                  75                  80

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

Gly His Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100                 105                 110


<210> 118
<211> 11
<212> PRT
<213> Homo sapiens

<400> 118
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1               5                   10


<210> 119
<211> 7
<212> PRT
<213> Homo sapiens

<400> 119
Asp Asp Ser Asn Arg Pro Ser
1               5


<210> 120
<211> 14
<212> PRT
<213> Homo sapiens

<400> 120
Gln Thr Trp Asp His Asn His His Thr Gly His Thr Asn Val
1               5                   10


<210> 121
<211> 351
<212> ADN
<213> Homo sapiens

<400> 121
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc      120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac      180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac      240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac      300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a               351


<210> 122
<211> 117
<212> PRT
<213> Homo sapiens

<400> 122
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

Val Thr Val Ser Ser
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115

<210> 123
<211> 5
<212> PRT
<213> Homo sapiens

<400> 123
Ser Tyr Ala Met Asn
1 5

<210> 124
<211> 17
<212> PRT
<213> Homo sapiens

<400> 124
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 125
<211> 8
<212> PRT
<213> Homo sapiens

<400> 125
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 126
<211> 333
<212> ADN
<213> Homo sapiens

<400> 126
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg caccaccacc accacacggg ggagcacaac 300

cacttcggcg gagggaccaa gttaaccgtc cta 333

<210> 127
<211> 111
<212> PRT
<213> Homo sapiens

<400> 127
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

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

Gly Glu His Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 128
<211> 11
<212> PRT
<213> Homo sapiens

<400> 128
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 129
<211> 7
<212> PRT

<213> Homo sapiens

<400> 129
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 130
<211> 14
<212> PRT
<213> Homo sapiens

<400> 130
His Thr Trp His His His His His Thr Gly Glu His Asn His
1 5 10

<210> 131
<211> 351
<212> ADN
<213> Homo sapiens

<400> 131
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 132
<211> 117
<212> PRT
<213> Homo sapiens

<400> 132
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 133
<211> 5
<212> PRT
<213> Homo sapiens

<400> 133
Ser Tyr Ala Met Asn
1 5

<210> 134
<211> 17
<212> PRT
<213> Homo sapiens

<400> 134
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 135
<211> 8
<212> PRT
<213> Homo sapiens

<400> 135
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 136
<211> 333
<212> ADN
<213> Homo sapiens

<400> 136
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cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagcactgg cacgggcacc cgcaccatgg ggagcacaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 137
<211> 111
<212> PRT
<213> Homo sapiens

<400> 137
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

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

Gly Glu His Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

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

<400> 138
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 139
<211> 7
<212> PRT
<213> Homo sapiens

<400> 139
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 140
<211> 14
<212> PRT
<213> Homo sapiens

<400> 140
Gln His Trp His Gly His Pro His His Gly Glu His Asn Val
1 5 10

<210> 141
<211> 351
<212> ADN
<213> Homo sapiens

<400> 141
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 142
<211> 117
<212> PRT
<213> Homo sapiens

<400> 142
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 143
<211> 5
<212> PRT
<213> Homo sapiens

<400> 143
Ser Tyr Ala Met Asn
1 5

<210> 144
<211> 17
<212> PRT
<213> Homo sapiens

<400> 144
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 145
<211> 8
<212> PRT
<213> Homo sapiens

<400> 145
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 146
<211> 333
<212> ADN
<213> Homo sapiens

<400> 146
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagcactgg gacgggaacc accaccatgg ggagaccaac 300

cacttcggcg gagggaccaa gttaaccgtc cta 333

<210> 147
<211> 111
<212> PRT
<213> Homo sapiens

<400> 147
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65                  70                  75                  80

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

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100                 105                 110


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

<400> 148
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1               5                   10


<210> 149
<211> 7
<212> PRT
<213> Homo sapiens

<400> 149
Asp Asp Ser Asn Arg Pro Ser
1               5


<210> 150
<211> 14
<212> PRT
<213> Homo sapiens

<400> 150
Gln His Trp Asp Gly Asn His His His Gly Glu Thr Asn His
1               5                   10


<210> 151
<211> 351
<212> ADN
<213> Homo sapiens

<400> 151
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg       60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc      120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac      180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac      240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac      300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a               351


<210> 152
<211> 117
<212> PRT
<213> Homo sapiens

<400> 152
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

Val Thr Val Ser Ser
115

<210> 153
<211> 5
<212> PRT
<213> Homo sapiens

<400> 153
Ser Tyr Ala Met Asn
1 5

<210> 154
<211> 17
<212> PRT
<213> Homo sapiens

<400> 154
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 155
<211> 8
<212> PRT
<213> Homo sapiens

<400> 155
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 156
<211> 333
<212> ADN
<213> Homo sapiens

<400> 156
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg gaccaccacc acacgacggg ggagcacaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 157
<211> 111
<212> PRT
<213> Homo sapiens

<400> 157
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

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

Gly Glu His Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

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

<400> 158

Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 159
<211> 7
<212> PRT
<213> Homo sapiens

<400> 159
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 160
<211> 14
<212> PRT
<213> Homo sapiens

<400> 160
His Thr Trp Asp His His His Thr Thr Gly Glu His Asn Val
1 5 10

<210> 161
<211> 351
<212> ADN
<213> Homo sapiens

<400> 161
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 162
<211> 117
<212> PRT
<213> Homo sapiens

<400> 162
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 163
<211> 5
<212> PRT
<213> Homo sapiens

<400> 163
Ser Tyr Ala Met Asn
1 5

<210> 164
<211> 17
<212> PRT
<213> Homo sapiens

<400> 164
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 165
<211> 8
<212> PRT
<213> Homo sapiens

<400> 165
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 166
<211> 333
<212> ADN
<213> Homo sapiens

<400> 166
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccaccactgg cacgggcacc acacgacggg ggagaccaac   300

cacttcggcg gagggaccaa gttaaccgtc cta   333

<210> 167
<211> 111
<212> PRT
<213> Homo sapiens

<400> 167
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys His His Trp His Gly His His Thr Thr
                85   90   95

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 168
<211> 11
<212> PRT
<213> Homo sapiens

<400> 168
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 169
<211> 7
<212> PRT
<213> Homo sapiens

<400> 169
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 170
<211> 14
<212> PRT
<213> Homo sapiens

<400> 170
His His Trp His Gly His His Thr Thr Gly Glu Thr Asn His
1   5   10

<210> 171
<211> 351
<212> ADN
<213> Homo sapiens

<400> 171
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg   60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 172
<211> 117
<212> PRT
<213> Homo sapiens

<400> 172
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 173
<211> 5
<212> PRT
<213> Homo sapiens

<400> 173
Ser Tyr Ala Met Asn
1 5

<210> 174
<211> 17
<212> PRT
<213> Homo sapiens

<400> 174
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

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

<400> 175
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 176
<211> 333
<212> ADN
<213> Homo sapiens

<400> 176
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccaccactgg cacgggcacc cgcacacggg ggagcacaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 177

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

<400> 177
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys His His Trp His Gly His Pro His Thr
                85   90   95

Gly Glu His Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 178
<211> 11
<212> PRT
<213> Homo sapiens

<400> 178
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 179
<211> 7
<212> PRT
<213> Homo sapiens

<400> 179
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 180
<211> 14
<212> PRT
<213> Homo sapiens

<400> 180
His His Trp His Gly His Pro His Thr Gly Glu His Asn Val
1   5   10

<210> 181
<211> 351
<212> ADN
<213> Homo sapiens

<400> 181
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 182
<211> 117
<212> PRT
<213> Homo sapiens

<400> 182
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
115

<210> 183
<211> 5
<212> PRT
<213> Homo sapiens

<400> 183
Ser Tyr Ala Met Asn
1 5

<210> 184
<211> 17
<212> PRT
<213> Homo sapiens

<400> 184
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

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

<400> 185
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 186
<211> 333
<212> ADN
<213> Homo sapiens

<400> 186
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagcactgg gacgggcacc acacgacggg ggagaccaac 300

cacttcggcg gagggaccaa gttaaccgtc cta 333

<210> 187
<211> 111
<212> PRT
<213> Homo sapiens

<400> 187
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

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

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 188
<211> 11
<212> PRT
<213> Homo sapiens

<400> 188
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 189
<211> 7
<212> PRT
<213> Homo sapiens

<400> 189
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 190
<211> 14
<212> PRT
<213> Homo sapiens

<400> 190
Gln His Trp Asp Gly His His Thr Thr Gly Glu Thr Asn His
1   5   10

<210> 191
<211> 351
<212> ADN
<213> Homo sapiens

<400> 191
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a   351

<210> 192
<211> 117
<212> PRT
<213> Homo sapiens

<400> 192
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
        115

<210> 193
<211> 5
<212> PRT
<213> Homo sapiens

<400> 193
Ser Tyr Ala Met Asn
1   5

<210> 194
<211> 17
<212> PRT
<213> Homo sapiens

<400> 194
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 195
<211> 8
<212> PRT
<213> Homo sapiens

<400> 195
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 196
<211> 333
<212> ADN
<213> Homo sapiens

<400> 196
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggcacc accacacggg ggagaccaac 300

cacttcggcg agggaccaa gttaaccgtc cta 333

<210> 197
<211> 111
<212> PRT
<213> Homo sapiens

<400> 197
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

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

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 198
<211> 11
<212> PRT
<213> Homo sapiens

<400> 198
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 199
<211> 7
<212> PRT
<213> Homo sapiens

<400> 199
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 200
<211> 14
<212> PRT
<213> Homo sapiens

<400> 200
Gln Thr Trp Asp Gly His His His Thr Gly Glu Thr Asn His
1   5   10

<210> 201

<211> 351
<212> ADN
<213> Homo sapiens

<400> 201
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagccaca gcgggcacca catcagccac 180

cacgacagcc atcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 202
<211> 117
<212> PRT
<213> Homo sapiens

<400> 202
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Thr Ile Ser His Ser Gly His His Ile Ser His His Asp Ser His
50 55 60

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

Val Thr Val Ser Ser
115

<210> 203
<211> 5
<212> PRT
<213> Homo sapiens

<400> 203
Ser Tyr Ala Met Asn
1 5

<210> 204
<211> 17
<212> PRT
<213> Homo sapiens

<400> 204
Thr Ile Ser His Ser Gly His His Ile Ser His His Asp Ser His His
1 5 10 15

Gly

<210> 205
<211> 8
<212> PRT
<213> Homo sapiens

<400> 205
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 206
<211> 333
<212> ADN
<213> Homo sapiens

<400> 206
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 207
<211> 111
<212> PRT
<213> Homo sapiens

<400> 207
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 208
<211> 11
<212> PRT
<213> Homo sapiens

<400> 208
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 209
<211> 7
<212> PRT
<213> Homo sapiens

<400> 209
Asp Asp Ser Asn Arg Pro Ser
1 5

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

<400> 210
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 211
<211> 351
<212> ADN
<213> Homo sapiens

<400> 211
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagccaca gccactcgct gatcagctac 180

gcccacagcg tgcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

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

<400> 212
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Thr Ile Ser His Ser His Ser Leu Ile Ser Tyr Ala His Ser Val
50 55 60

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

Val Thr Val Ser Ser
115

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

<400> 213
Ser Tyr Ala Met Asn
1 5

<210> 214
<211> 17
<212> PRT
<213> Homo sapiens

<400> 214
Thr Ile Ser His Ser His Ser Leu Ile Ser Tyr Ala His Ser Val His
1 5 10 15

Gly

<210> 215
<211> 8
<212> PRT
<213> Homo sapiens

<400> 215
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 216
<211> 333
<212> ADN
<213> Homo sapiens

<400> 216
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 217
<211> 111
<212> PRT
<213> Homo sapiens

<400> 217
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 218
<211> 11
<212> PRT
<213> Homo sapiens

<400> 218
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 219
<211> 7
<212> PRT
<213> Homo sapiens

<400> 219
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 220
<211> 14
<212> PRT
<213> Homo sapiens

<400> 220
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 221
<211> 351
<212> ADN
<213> Homo sapiens

<400> 221
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atccaccaca gcgggcacct gcacagccac 180

gccgaccacg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 222
<211> 117
<212> PRT
<213> Homo sapiens

<400> 222
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Thr Ile His His Ser Gly His Leu His Ser His Ala Asp His 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 Asn Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 223
<211> 5
<212> PRT
<213> Homo sapiens

<400> 223
Ser Tyr Ala Met Asn
1 5

<210> 224
<211> 17
<212> PRT
<213> Homo sapiens

<400> 224
Thr Ile His His Ser Gly His Leu His Ser His Ala Asp His Val Lys
1   5   10   15

Gly

<210> 225
<211> 8
<212> PRT
<213> Homo sapiens

<400> 225
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 226
<211> 333
<212> ADN
<213> Homo sapiens

<400> 226
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 227
<211> 111
<212> PRT
<213> Homo sapiens

<400> 227
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 228
<211> 11
<212> PRT
<213> Homo sapiens

<400> 228
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 229
<211> 7
<212> PRT
<213> Homo sapiens

<400> 229
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 230
<211> 14
<212> PRT
<213> Homo sapiens

<400> 230
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 231
<211> 351
<212> ADN
<213> Homo sapiens

<400> 231
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagccaca gcgggcacct gatccaccac 180

gccgacagcc ataagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 232
<211> 117
<212> PRT
<213> Homo sapiens

<400> 232
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Thr Ile Ser His Ser Gly His Leu Ile His His Ala Asp Ser His
    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 Asn Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100 105 110

Val Thr Val Ser Ser
        115

<210> 233
<211> 5
<212> PRT
<213> Homo sapiens

<400> 233
Ser Tyr Ala Met Asn
1 5

<210> 234
<211> 17
<212> PRT
<213> Homo sapiens

<400> 234
Thr Ile Ser His Ser Gly His Leu Ile His His Ala Asp Ser His Lys
1 5 10 15

Gly

<210> 235
<211> 8
<212> PRT
<213> Homo sapiens

<400> 235
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 236
<211> 333
<212> ADN
<213> Homo sapiens

<400> 236

agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 237
<211> 111
<212> PRT
<213> Homo sapiens

<400> 237
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 238
<211> 11
<212> PRT
<213> Homo sapiens

<400> 238
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 239
<211> 7
<212> PRT
<213> Homo sapiens

<400> 239
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 240
<211> 14
<212> PRT
<213> Homo sapiens

<400> 240
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 241
<211> 351
<212> ADN
<213> Homo sapiens

<400> 241
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

caccacagcc ataagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 242
<211> 117
<212> PRT
<213> Homo sapiens

<400> 242
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 243
<211> 5
<212> PRT
<213> Homo sapiens

<400> 243
Ser Tyr Ala Met Asn
1 5

<210> 244
<211> 17
<212> PRT
<213> Homo sapiens

<400> 244
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr His His Ser His Lys
1 5 10 15

Gly

<210> 245
<211> 8
<212> PRT
<213> Homo sapiens

<400> 245
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 246
<211> 333
<212> ADN
<213> Homo sapiens

<400> 246
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

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

<400> 247
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 248
<211> 11
<212> PRT
<213> Homo sapiens

<400> 248
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 249
<211> 7
<212> PRT
<213> Homo sapiens

<400> 249
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 250
<211> 14
<212> PRT
<213> Homo sapiens

<400> 250
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 251
<211> 351
<212> ADN
<213> Homo sapiens

<400> 251
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

gccgaccacc ataagcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 252
<211> 117
<212> PRT
<213> Homo sapiens

<400> 252
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Lys His 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 Asn Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 253

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

<400> 253
Ser Tyr Ala Met Asn
1   5

<210> 254
<211> 17
<212> PRT
<213> Homo sapiens

<400> 254
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr Ala Asp His His Lys
1   5   10   15

His

<210> 255
<211> 8
<212> PRT
<213> Homo sapiens

<400> 255
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 256
<211> 333
<212> ADN
<213> Homo sapiens

<400> 256
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 257
<211> 111
<212> PRT
<213> Homo sapiens

<400> 257
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 258
<211> 11
<212> PRT
<213> Homo sapiens

<400> 258
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 259
<211> 7
<212> PRT
<213> Homo sapiens

<400> 259
Asp Asp Ser Asn Arg Pro Ser

1 5

<210> 260
<211> 14
<212> PRT
<213> Homo sapiens

<400> 260
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 261
<211> 351
<212> ADN
<213> Homo sapiens

<400> 261
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggcacct gatccactac 180

gccgaccacc atcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 262
<211> 117
<212> PRT
<213> Homo sapiens

<400> 262
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

Val Thr Val Ser Ser
115

<210> 263
<211> 5
<212> PRT
<213> Homo sapiens

<400> 263
Ser Tyr Ala Met Asn
1 5

<210> 264
<211> 17
<212> PRT
<213> Homo sapiens

<400> 264
Thr Ile Ser Tyr Ser Gly His Leu Ile His Tyr Ala Asp His His His
1 5 10 15

Gly

<210> 265
<211> 8
<212> PRT
<213> Homo sapiens

<400> 265
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 266
<211> 333
<212> ADN
<213> Homo sapiens

<400> 266
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 267
<211> 111
<212> PRT
<213> Homo sapiens

<400> 267
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 268
<211> 11
<212> PRT
<213> Homo sapiens

<400> 268
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 269
<211> 7
<212> PRT
<213> Homo sapiens

<400> 269
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 270
<211> 14
<212> PRT
<213> Homo sapiens

<400> 270
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 271
<211> 351
<212> ADN
<213> Homo sapiens

<400> 271
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagccac 180

gccgaccacg tgcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 272
<211> 117
<212> PRT
<213> Homo sapiens

<400> 272
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

Val Thr Val Ser Ser
        115

<210> 273
<211> 5
<212> PRT
<213> Homo sapiens

<400> 273
Ser Tyr Ala Met Asn
1   5

<210> 274
<211> 17
<212> PRT
<213> Homo sapiens

<400> 274
Thr Ile Ser Tyr His Gly Ser His Ile Ser His Ala Asp His Val His
1   5   10   15

Gly

<210> 275
<211> 8
<212> PRT
<213> Homo sapiens

<400> 275
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 276
<211> 333
<212> ADN
<213> Homo sapiens

<400> 276
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc   60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 277
<211> 111
<212> PRT
<213> Homo sapiens

<400> 277
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 278
<211> 11
<212> PRT
<213> Homo sapiens

<400> 278
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 279
<211> 7
<212> PRT
<213> Homo sapiens

<400> 279
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 280
<211> 14
<212> PRT
<213> Homo sapiens

<400> 280
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 281
<211> 351
<212> ADN
<213> Homo sapiens

<400> 281
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagccac 180

gccgaccacg tgaagcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 282
<211> 117
<212> PRT
<213> Homo sapiens

<400> 282
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Lys His 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 Asn Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
        115

<210> 283
<211> 5
<212> PRT
<213> Homo sapiens

<400> 283
Ser Tyr Ala Met Asn
1   5

<210> 284
<211> 17
<212> PRT
<213> Homo sapiens

<400> 284
Thr Ile Ser Tyr His Gly His His Ile Ser His Ala Asp His Val Lys
1   5   10   15

His

<210> 285
<211> 8
<212> PRT
<213> Homo sapiens

<400> 285
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 286
<211> 333
<212> ADN
<213> Homo sapiens

<400> 286
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc   60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 287
<211> 111
<212> PRT
<213> Homo sapiens

<400> 287
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 288
<211> 11
<212> PRT
<213> Homo sapiens

<400> 288
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 289
<211> 7
<212> PRT
<213> Homo sapiens

<400> 289
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 290
<211> 14
<212> PRT
<213> Homo sapiens

<400> 290
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 291
<211> 351
<212> ADN
<213> Homo sapiens

<400> 291
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagccaca gcgggcacct gatccaccac 180

caccacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 292
<211> 117
<212> PRT
<213> Homo sapiens

<400> 292
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 293
<211> 5
<212> PRT
<213> Homo sapiens

<400> 293
Ser Tyr Ala Met Asn
1 5

<210> 294
<211> 17
<212> PRT
<213> Homo sapiens

<400> 294
Thr Ile Ser His Ser Gly His Leu Ile His His His His Ser Val Lys
1 5 10 15

Gly

<210> 295
<211> 8

<212> PRT
<213> Homo sapiens

<400> 295
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 296
<211> 333
<212> ADN
<213> Homo sapiens

<400> 296
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc   60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 297
<211> 111
<212> PRT
<213> Homo sapiens

<400> 297
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 298
<211> 11
<212> PRT
<213> Homo sapiens

<400> 298
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 299
<211> 7
<212> PRT
<213> Homo sapiens

<400> 299
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 300
<211> 14
<212> PRT
<213> Homo sapiens

<400> 300
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1   5   10

<210> 301
<211> 351
<212> ADN
<213> Homo sapiens

<400> 301
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc   120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac   180

cacgacagcc atcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 302
<211> 117
<212> PRT
<213> Homo sapiens

<400> 302
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

Val Thr Val Ser Ser
115

<210> 303
<211> 5
<212> PRT
<213> Homo sapiens

<400> 303
Ser Tyr Ala Met Asn
1 5

<210> 304
<211> 17
<212> PRT
<213> Homo sapiens

<400> 304
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr His Asp Ser His His
1 5 10 15

Gly

<210> 305
<211> 8
<212> PRT
<213> Homo sapiens

<400> 305
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 306
<211> 333
<212> ADN
<213> Homo sapiens

<400> 306
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 307
<211> 111
<212> PRT
<213> Homo sapiens

<400> 307
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 308
<211> 11
<212> PRT
<213> Homo sapiens

<400> 308
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 309
<211> 7
<212> PRT
<213> Homo sapiens

<400> 309
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 310
<211> 14
<212> PRT
<213> Homo sapiens

<400> 310
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1   5   10

<210> 311
<211> 351
<212> ADN
<213> Homo sapiens

<400> 311
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc   120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc accaccacct gatcagccac   180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac   240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac   300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a   351

<210> 312
<211> 117
<212> PRT
<213> Homo sapiens

<400> 312
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 313
<211> 5
<212> PRT
<213> Homo sapiens

<400> 313
Ser Tyr Ala Met Asn
1 5

<210> 314
<211> 17
<212> PRT
<213> Homo sapiens

<400> 314
Thr Ile Ser Tyr His His His Leu Ile Ser His Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 315
<211> 8
<212> PRT
<213> Homo sapiens

<400> 315
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 316
<211> 333
<212> ADN
<213> Homo sapiens

<400> 316
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 317
<211> 111
<212> PRT
<213> Homo sapiens

<400> 317
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 318
<211> 11
<212> PRT

<213> Homo sapiens

<400> 318
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 319
<211> 7
<212> PRT
<213> Homo sapiens

<400> 319
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 320
<211> 14
<212> PRT
<213> Homo sapiens

<400> 320
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 321
<211> 351
<212> ADN
<213> Homo sapiens

<400> 321
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagccac 180

gccgaccacc ataagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 322
<211> 117
<212> PRT
<213> Homo sapiens

<400> 322
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
        115

<210> 323
<211> 5
<212> PRT
<213> Homo sapiens

<400> 323
Ser Tyr Ala Met Asn
1 5

<210> 324
<211> 17
<212> PRT
<213> Homo sapiens

<400> 324
Thr Ile Ser Tyr His Gly His His Ile Ser His Ala Asp His His Lys
1 5 10 15

Gly

<210> 325
<211> 8
<212> PRT
<213> Homo sapiens

<400> 325
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 326
<211> 333
<212> ADN
<213> Homo sapiens

<400> 326
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 327
<211> 111
<212> PRT
<213> Homo sapiens

<400> 327
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 328
<211> 11
<212> PRT
<213> Homo sapiens

<400> 328
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 329
<211> 7
<212> PRT
<213> Homo sapiens

<400> 329
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 330
<211> 14
<212> PRT
<213> Homo sapiens

<400> 330
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1   5   10

<210> 331
<211> 351
<212> ADN
<213> Homo sapiens

<400> 331
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 332
<211> 117
<212> PRT
<213> Homo sapiens

<400> 332
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

Val Thr Val Ser Ser
115

<210> 333
<211> 5
<212> PRT
<213> Homo sapiens

<400> 333
Ser Tyr Ala Met Asn
1 5

<210> 334
<211> 17
<212> PRT
<213> Homo sapiens

<400> 334
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 335
<211> 8
<212> PRT
<213> Homo sapiens

<400> 335
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 336
<211> 333
<212> ADN
<213> Homo sapiens

<400> 336
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 337
<211> 111
<212> PRT
<213> Homo sapiens

<400> 337
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 338
<211> 11
<212> PRT
<213> Homo sapiens

<400> 338
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 339
<211> 7
<212> PRT
<213> Homo sapiens

<400> 339
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 340
<211> 14
<212> PRT
<213> Homo sapiens

<400> 340
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1   5   10

<210> 341
<211> 351
<212> ADN
<213> Homo sapiens

<400> 341
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atccaccaca gcgggcacct gcacagctac 180

caccaccacg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a   351

<210> 342
<211> 117
<212> PRT
<213> Homo sapiens

<400> 342
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
        115

<210> 343
<211> 5
<212> PRT
<213> Homo sapiens

<400> 343
Ser Tyr Ala Met Asn
1   5

<210> 344
<211> 17
<212> PRT
<213> Homo sapiens

<400> 344
Thr Ile His His Ser Gly His Leu His Ser Tyr His His His Val Lys
1   5   10   15

Gly

<210> 345
<211> 8
<212> PRT
<213> Homo sapiens

<400> 345
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 346
<211> 333
<212> ADN
<213> Homo sapiens

<400> 346
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc   60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 347
<211> 111
<212> PRT
<213> Homo sapiens

<400> 347
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 348
<211> 11
<212> PRT
<213> Homo sapiens

<400> 348
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 349
<211> 7
<212> PRT
<213> Homo sapiens

<400> 349
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 350
<211> 14
<212> PRT
<213> Homo sapiens

<400> 350
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 351
<211> 351
<212> ADN
<213> Homo sapiens

<400> 351
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagccaca gcgggcacct gcaccactac 180

gccgacagcc ataagcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 352
<211> 117
<212> PRT
<213> Homo sapiens

<400> 352
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Lys His 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 Asn Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 353
<211> 5
<212> PRT
<213> Homo sapiens

<400> 353
Ser Tyr Ala Met Asn
1 5

<210> 354
<211> 17

<212> PRT
<213> Homo sapiens

<400> 354
Thr Ile Ser His Ser Gly His Leu His His Tyr Ala Asp Ser His Lys
1   5   10   15

His

<210> 355
<211> 8
<212> PRT
<213> Homo sapiens

<400> 355
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 356
<211> 333
<212> ADN
<213> Homo sapiens

<400> 356
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc   60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 357
<211> 111
<212> PRT
<213> Homo sapiens

<400> 357
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 358
<211> 11
<212> PRT
<213> Homo sapiens

<400> 358
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 359
<211> 7
<212> PRT
<213> Homo sapiens

<400> 359
Asp Asp Ser Asn Arg Pro Ser
1   5

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

<400> 360
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1   5   10

<210> 361
<211> 351
<212> ADN
<213> Homo sapiens

<400> 361
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

cacgacagcg tgcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 362
<211> 117
<212> PRT
<213> Homo sapiens

<400> 362
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

Val Thr Val Ser Ser
115

<210> 363
<211> 5
<212> PRT
<213> Homo sapiens

<400> 363
Ser Tyr Ala Met Asn
1 5

<210> 364
<211> 17
<212> PRT
<213> Homo sapiens

<400> 364
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr His Asp Ser Val His
1 5 10 15

His

<210> 365
<211> 8
<212> PRT
<213> Homo sapiens

<400> 365
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 366
<211> 333
<212> ADN
<213> Homo sapiens

<400> 366
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 367
<211> 111
<212> PRT
<213> Homo sapiens

<400> 367
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 368
<211> 11
<212> PRT
<213> Homo sapiens

<400> 368
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 369
<211> 7
<212> PRT
<213> Homo sapiens

<400> 369
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 370
<211> 14
<212> PRT
<213> Homo sapiens

<400> 370
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 371
<211> 351
<212> ADN
<213> Homo sapiens

<400> 371
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagccac 180

gcccaccacg tgcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 372
<211> 117
<212> PRT
<213> Homo sapiens

<400> 372
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr

20 25 30

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

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

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

Val Thr Val Ser Ser
115

<210> 373
<211> 5
<212> PRT
<213> Homo sapiens

<400> 373
Ser Tyr Ala Met Asn
1 5

<210> 374
<211> 17
<212> PRT
<213> Homo sapiens

<400> 374
Thr Ile Ser Tyr His Gly His His Ile Ser His Ala His His Val His
1 5 10 15

Gly

<210> 375
<211> 8
<212> PRT
<213> Homo sapiens

<400> 375
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 376
<211> 333
<212> ADN
<213> Homo sapiens

<400> 376
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 377
<211> 111
<212> PRT
<213> Homo sapiens

<400> 377
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met

65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 378
<211> 11
<212> PRT
<213> Homo sapiens

<400> 378
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 379
<211> 7
<212> PRT
<213> Homo sapiens

<400> 379
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 380
<211> 14
<212> PRT
<213> Homo sapiens

<400> 380
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 381
<211> 351
<212> ADN
<213> Homo sapiens

<400> 381
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

caccaccctc acgatcactg gggccagggc accctggtga cagtgagctc a 351

<210> 382
<211> 117
<212> PRT
<213> Homo sapiens

<400> 382
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 383
<211> 5
<212> PRT
<213> Homo sapiens

<400> 383
Ser Tyr Ala Met Asn
1   5

<210> 384
<211> 17
<212> PRT
<213> Homo sapiens

<400> 384
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 385
<211> 8
<212> PRT
<213> Homo sapiens

<400> 385
Ile His His His Pro His Asp His
1   5

<210> 386
<211> 333
<212> ADN
<213> Homo sapiens

<400> 386
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 387
<211> 111
<212> PRT
<213> Homo sapiens

<400> 387
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 388
<211> 11
<212> PRT
<213> Homo sapiens

<400> 388
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 389
<211> 7
<212> PRT
<213> Homo sapiens

<400> 389
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 390

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

<400> 390
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 391
<211> 351
<212> ADN
<213> Homo sapiens

<400> 391
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatcactg gggccagggc accctggtga cagtgagctc a 351

<210> 392
<211> 117
<212> PRT
<213> Homo sapiens

<400> 392
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
        115

<210> 393
<211> 5
<212> PRT
<213> Homo sapiens

<400> 393
Ser Tyr Ala Met Asn
1 5

<210> 394
<211> 17
<212> PRT
<213> Homo sapiens

<400> 394
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 395
<211> 8
<212> PRT
<213> Homo sapiens

<400> 395
Ile Asn His Asp Pro Met Asp His
1 5

<210> 396
<211> 333
<212> ADN

<213> Homo sapiens

<400> 396
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 397
<211> 111
<212> PRT
<213> Homo sapiens

<400> 397
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 398
<211> 11
<212> PRT
<213> Homo sapiens

<400> 398
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 399
<211> 7
<212> PRT
<213> Homo sapiens

<400> 399
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 400
<211> 14
<212> PRT
<213> Homo sapiens

<400> 400
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 401
<211> 351
<212> ADN
<213> Homo sapiens

<400> 401
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 402
<211> 117
<212> PRT
<213> Homo sapiens

<400> 402
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
        115

<210> 403
<211> 5
<212> PRT
<213> Homo sapiens

<400> 403
Ser Tyr Ala Met Asn
1   5

<210> 404
<211> 17
<212> PRT
<213> Homo sapiens

<400> 404
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 405
<211> 8
<212> PRT
<213> Homo sapiens

<400> 405
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 406
<211> 333
<212> ADN
<213> Homo sapiens

<400> 406
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccacacctgg gacgggcacc acacgacggg ggagaccaac   300

cacttcggcg gagggaccaa gttaaccgtc cta   333

<210> 407
<211> 111
<212> PRT
<213> Homo sapiens

<400> 407
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp Asp Gly His His Thr Thr
                85   90   95

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 408
<211> 11
<212> PRT
<213> Homo sapiens

<400> 408
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 409
<211> 7
<212> PRT
<213> Homo sapiens

<400> 409
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 410
<211> 14
<212> PRT
<213> Homo sapiens

<400> 410
His Thr Trp Asp Gly His His Thr Thr Gly Glu Thr Asn His
1   5   10

<210> 411
<211> 351
<212> ADN
<213> Homo sapiens

<400> 411
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc   120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac   180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac   240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac   300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a   351

<210> 412
<211> 117
<212> PRT
<213> Homo sapiens

<400> 412
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
        115

<210> 413
<211> 5
<212> PRT
<213> Homo sapiens

<400> 413
Ser Tyr Ala Met Asn
1 5

<210> 414
<211> 17
<212> PRT
<213> Homo sapiens

<400> 414
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 415
<211> 8
<212> PRT
<213> Homo sapiens

<400> 415
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 416
<211> 333
<212> ADN
<213> Homo sapiens

<400> 416
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagcactgg gacgggcacc accacacggg ggagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 417
<211> 111
<212> PRT
<213> Homo sapiens

<400> 417
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

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

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 418
<211> 11
<212> PRT
<213> Homo sapiens

<400> 418
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 419
<211> 7
<212> PRT
<213> Homo sapiens

<400> 419
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 420
<211> 14
<212> PRT
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<400> 420
Gln His Trp Asp Gly His His His Thr Gly Glu Thr Asn Val
1 5 10

<210> 421
<211> 351
<212> ADN
<213> Homo sapiens

<400> 421
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 422
<211> 117
<212> PRT
<213> Homo sapiens

<400> 422
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 423
<211> 5
<212> PRT
<213> Homo sapiens

<400> 423
Ser Tyr Ala Met Asn
1 5

<210> 424
<211> 17
<212> PRT
<213> Homo sapiens

<400> 424
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 425
<211> 8
<212> PRT
<213> Homo sapiens

<400> 425

Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 426
<211> 333
<212> ADN
<213> Homo sapiens

<400> 426
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagcactgg cacgggaacc cgcacacggg ggagcacaac 300

cacttcggcg gagggaccaa gttaaccgtc cta 333

<210> 427
<211> 111
<212> PRT
<213> Homo sapiens

<400> 427
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln His Trp His Gly Asn Pro His Thr
85 90 95

Gly Glu His Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 428
<211> 11
<212> PRT
<213> Homo sapiens

<400> 428
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 429
<211> 7
<212> PRT
<213> Homo sapiens

<400> 429
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 430
<211> 14
<212> PRT
<213> Homo sapiens

<400> 430
Gln His Trp His Gly Asn Pro His Thr Gly Glu His Asn His
1 5 10

<210> 431
<211> 351
<212> ADN
<213> Homo sapiens

<400> 431
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 432
<211> 117
<212> PRT
<213> Homo sapiens

<400> 432
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 433
<211> 5
<212> PRT
<213> Homo sapiens

<400> 433
Ser Tyr Ala Met Asn
1 5

<210> 434
<211> 17
<212> PRT
<213> Homo sapiens

<400> 434
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 435
<211> 8
<212> PRT
<213> Homo sapiens

<400> 435
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 436
<211> 333
<212> ADN
<213> Homo sapiens

<400> 436
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

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cacttcggcg gagggaccaa gttaaccgtc cta 333

<210> 437
<211> 111
<212> PRT
<213> Homo sapiens

<400> 437
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp Asp His Asn Pro His His
85 90 95

His His Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 438
<211> 11
<212> PRT
<213> Homo sapiens

<400> 438
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 439
<211> 7
<212> PRT
<213> Homo sapiens

<400> 439
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 440
<211> 14
<212> PRT
<213> Homo sapiens

<400> 440
His Thr Trp Asp His Asn Pro His His His His Thr Asn His
1 5 10

<210> 441
<211> 351
<212> ADN
<213> Homo sapiens

<400> 441
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 442
<211> 117
<212> PRT
<213> Homo sapiens

<400> 442
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 443
<211> 5
<212> PRT
<213> Homo sapiens

<400> 443
Ser Tyr Ala Met Asn
1 5

<210> 444
<211> 17
<212> PRT
<213> Homo sapiens

<400> 444
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 445
<211> 8
<212> PRT
<213> Homo sapiens

<400> 445
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 446
<211> 333
<212> ADN
<213> Homo sapiens

<400> 446
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccaccactgg caccacaacc cgacgcatca tgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 447
<211> 111
<212> PRT
<213> Homo sapiens

<400> 447
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His His Trp His His Asn Pro Thr His
85 90 95

His Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 448
<211> 11
<212> PRT
<213> Homo sapiens

<400> 448
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln

1 5 10

<210> 449
<211> 7
<212> PRT
<213> Homo sapiens

<400> 449
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 450
<211> 14
<212> PRT
<213> Homo sapiens

<400> 450
His His Trp His His Asn Pro Thr His His Glu Thr Asn Val
1 5 10

<210> 451
<211> 351
<212> ADN
<213> Homo sapiens

<400> 451
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 452
<211> 117
<212> PRT
<213> Homo sapiens

<400> 452
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 453
<211> 5
<212> PRT
<213> Homo sapiens

<400> 453
Ser Tyr Ala Met Asn
1 5

<210> 454
<211> 17
<212> PRT
<213> Homo sapiens

<400> 454
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 455
<211> 8
<212> PRT
<213> Homo sapiens

<400> 455
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 456
<211> 333
<212> ADN
<213> Homo sapiens

<400> 456
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagcactgg cacgggcacc accacacggg ggagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 457
<211> 111
<212> PRT
<213> Homo sapiens

<400> 457
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

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

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 458
<211> 11
<212> PRT
<213> Homo sapiens

<400> 458
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 459
<211> 7
<212> PRT
<213> Homo sapiens

<400> 459
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 460
<211> 14
<212> PRT
<213> Homo sapiens

<400> 460
Gln His Trp His Gly His His His Thr Gly Glu Thr Asn Val
1   5   10

<210> 461
<211> 351
<212> ADN
<213> Homo sapiens

<400> 461
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc   120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatccactac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 462
<211> 117
<212> PRT
<213> Homo sapiens

<400> 462
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 463
<211> 5
<212> PRT
<213> Homo sapiens

<400> 463
Ser Tyr Ala Met Asn
1 5

<210> 464
<211> 17
<212> PRT
<213> Homo sapiens

<400> 464
Thr Ile Ser Tyr Ser Gly Ser Leu Ile His Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 465
<211> 8
<212> PRT
<213> Homo sapiens

<400> 465
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 466
<211> 333
<212> ADN
<213> Homo sapiens

<400> 466
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggccatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 467
<211> 111

<212> PRT
<213> Homo sapiens

<400> 467
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 468
<211> 11
<212> PRT
<213> Homo sapiens

<400> 468
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 469
<211> 7
<212> PRT
<213> Homo sapiens

<400> 469
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 470
<211> 14
<212> PRT
<213> Homo sapiens

<400> 470
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1   5   10

<210> 471
<211> 351
<212> ADN
<213> Homo sapiens

<400> 471
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg   60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc   120

ccaggcaagg gcctggagtg ggtgtccacc atcagccaca gcgggcacca catcagccac   180

cacgacagcc atcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac   240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac   300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a   351

<210> 472
<211> 117
<212> PRT
<213> Homo sapiens

<400> 472
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

Ser Thr Ile Ser His Ser Gly His His Ile Ser His His Asp Ser His
    50   55   60

His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 473
<211> 5
<212> PRT
<213> Homo sapiens

<400> 473
Ser Tyr Ala Met Asn
1 5

<210> 474
<211> 17
<212> PRT
<213> Homo sapiens

<400> 474
Thr Ile Ser His Ser Gly His His Ile Ser His His Asp Ser His His
1 5 10 15

Gly

<210> 475
<211> 8
<212> PRT
<213> Homo sapiens

<400> 475
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 476
<211> 333
<212> ADN
<213> Homo sapiens

<400> 476
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 477
<211> 111
<212> PRT
<213> Homo sapiens

<400> 477
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 478
<211> 11
<212> PRT
<213> Homo sapiens

<400> 478
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 479
<211> 7
<212> PRT
<213> Homo sapiens

<400> 479
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 480
<211> 14
<212> PRT
<213> Homo sapiens

<400> 480
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 481
<211> 351
<212> ADN
<213> Homo sapiens

<400> 481
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagccaca gcgggcacct gatccaccac 180

gccgacagcc ataagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 482
<211> 117
<212> PRT
<213> Homo sapiens

<400> 482
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Thr Ile Ser His Ser Gly His Leu Ile His His Ala Asp Ser His
    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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100 105 110

Val Thr Val Ser Ser
        115

<210> 483
<211> 5
<212> PRT
<213> Homo sapiens

<400> 483
Ser Tyr Ala Met Asn
1 5

<210> 484
<211> 17
<212> PRT
<213> Homo sapiens

<400> 484

Thr Ile Ser His Ser Gly His Leu Ile His His Ala Asp Ser His Lys
1 5 10 15

Gly

<210> 485
<211> 8
<212> PRT
<213> Homo sapiens

<400> 485
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 486
<211> 333
<212> ADN
<213> Homo sapiens

<400> 486
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 487
<211> 111
<212> PRT
<213> Homo sapiens

<400> 487
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 488
<211> 11
<212> PRT
<213> Homo sapiens

<400> 488
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 489
<211> 7
<212> PRT
<213> Homo sapiens

<400> 489
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 490
<211> 14
<212> PRT
<213> Homo sapiens

<400> 490
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 491
<211> 351

<212> ADN
<213> Homo sapiens

<400> 491
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggcacct gatccactac 180

gccgaccacc atcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 492
<211> 117
<212> PRT
<213> Homo sapiens

<400> 492
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 493
<211> 5
<212> PRT
<213> Homo sapiens

<400> 493
Ser Tyr Ala Met Asn
1 5

<210> 494
<211> 17
<212> PRT
<213> Homo sapiens

<400> 494
Thr Ile Ser Tyr Ser Gly His Leu Ile His Tyr Ala Asp His His His
1 5 10 15

Gly

<210> 495
<211> 8
<212> PRT
<213> Homo sapiens

<400> 495
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 496
<211> 333
<212> ADN
<213> Homo sapiens

<400> 496
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 497
<211> 111
<212> PRT
<213> Homo sapiens

<400> 497
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 498
<211> 11
<212> PRT
<213> Homo sapiens

<400> 498
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 499
<211> 7
<212> PRT
<213> Homo sapiens

<400> 499
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 500
<211> 14
<212> PRT
<213> Homo sapiens

<400> 500
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 501
<211> 351
<212> ADN
<213> Homo sapiens

<400> 501
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagccac 180

gccgaccacg tgcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 502
<211> 117
<212> PRT
<213> Homo sapiens

<400> 502
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

35 40 45

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

His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 503
<211> 5
<212> PRT
<213> Homo sapiens

<400> 503
Ser Tyr Ala Met Asn
1 5

<210> 504
<211> 17
<212> PRT
<213> Homo sapiens

<400> 504
Thr Ile Ser Tyr His Gly Ser His Ile Ser His Ala Asp His Val His
1 5 10 15

Gly

<210> 505
<211> 8
<212> PRT
<213> Homo sapiens

<400> 505
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 506
<211> 333
<212> ADN
<213> Homo sapiens

<400> 506
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cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 507
<211> 111
<212> PRT
<213> Homo sapiens

<400> 507
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr

85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 508
<211> 11
<212> PRT
<213> Homo sapiens

<400> 508
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 509
<211> 7
<212> PRT
<213> Homo sapiens

<400> 509
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 510
<211> 14
<212> PRT
<213> Homo sapiens

<400> 510
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 511
<211> 351
<212> ADN
<213> Homo sapiens

<400> 511
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cacgacagcc atcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 512
<211> 117
<212> PRT
<213> Homo sapiens

<400> 512
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 513
<211> 5
<212> PRT
<213> Homo sapiens

<400> 513
Ser Tyr Ala Met Asn
1 5

<210> 514
<211> 17
<212> PRT
<213> Homo sapiens

<400> 514
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr His Asp Ser His His
1   5   10   15

Gly

<210> 515
<211> 8
<212> PRT
<213> Homo sapiens

<400> 515
Ile Asn His Asp Pro Met Asp Val
1   5

<210> 516
<211> 333
<212> ADN
<213> Homo sapiens

<400> 516
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cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

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gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 517
<211> 111
<212> PRT
<213> Homo sapiens

<400> 517
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 518
<211> 11
<212> PRT
<213> Homo sapiens

<400> 518
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 519
<211> 7
<212> PRT
<213> Homo sapiens

<400> 519
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 520
<211> 14
<212> PRT
<213> Homo sapiens

<400> 520
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 521
<211> 351
<212> ADN
<213> Homo sapiens

<400> 521
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ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 522
<211> 117
<212> PRT
<213> Homo sapiens

<400> 522
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100 105 110

Val Thr Val Ser Ser
        115

<210> 523
<211> 5
<212> PRT
<213> Homo sapiens

<400> 523
Ser Tyr Ala Met Asn
1 5

<210> 524
<211> 17
<212> PRT
<213> Homo sapiens

<400> 524
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 525
<211> 8
<212> PRT
<213> Homo sapiens

<400> 525
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 526
<211> 333
<212> ADN
<213> Homo sapiens

<400> 526
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cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 527
<211> 111
<212> PRT
<213> Homo sapiens

<400> 527
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 528
<211> 11
<212> PRT
<213> Homo sapiens

<400> 528
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 529
<211> 7
<212> PRT
<213> Homo sapiens

<400> 529
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 530
<211> 14
<212> PRT
<213> Homo sapiens

<400> 530
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 531
<211> 351
<212> ADN
<213> Homo sapiens

<400> 531
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ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

cacgacagcg tgcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 532
<211> 117
<212> PRT
<213> Homo sapiens

<400> 532
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 533
<211> 5
<212> PRT
<213> Homo sapiens

<400> 533
Ser Tyr Ala Met Asn
1 5

<210> 534
<211> 17
<212> PRT
<213> Homo sapiens

<400> 534
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr His Asp Ser Val His
1 5 10 15

His

<210> 535
<211> 8
<212> PRT
<213> Homo sapiens

<400> 535
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 536
<211> 333
<212> ADN
<213> Homo sapiens

<400> 536
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cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 537
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<212> PRT
<213> Homo sapiens

<400> 537
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1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 538
<211> 11
<212> PRT
<213> Homo sapiens

<400> 538
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 539
<211> 7
<212> PRT
<213> Homo sapiens

<400> 539
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 540
<211> 14
<212> PRT
<213> Homo sapiens

<400> 540
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 541
<211> 351
<212> ADN
<213> Homo sapiens

<400> 541
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatccactac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 542
<211> 117
<212> PRT
<213> Homo sapiens

<400> 542
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 543
<211> 5

<212> PRT
<213> Homo sapiens

<400> 543
Ser Tyr Ala Met Asn
1   5

<210> 544
<211> 17
<212> PRT
<213> Homo sapiens

<400> 544
Thr Ile Ser Tyr Ser Gly Ser Leu Ile His Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 545
<211> 8
<212> PRT
<213> Homo sapiens

<400> 545
Ile His His Asp Pro Met Asp Val
1   5

<210> 546
<211> 333
<212> ADN
<213> Homo sapiens

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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggccatg   240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 547
<211> 111
<212> PRT
<213> Homo sapiens

<400> 547
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1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 548
<211> 11
<212> PRT
<213> Homo sapiens

<400> 548
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 549
<211> 7
<212> PRT
<213> Homo sapiens

<400> 549
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 550
<211> 14
<212> PRT
<213> Homo sapiens

<400> 550
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1   5   10

<210> 551
<211> 351
<212> ADN
<213> Homo sapiens

<400> 551
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagccaca gcgggcacca catcagccac 180

cacgacagcc atcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a   351

<210> 552
<211> 117
<212> PRT
<213> Homo sapiens

<400> 552
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

Ser Thr Ile Ser His Ser Gly His His Ile Ser His His Asp Ser His
    50   55   60

His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 553
<211> 5
<212> PRT
<213> Homo sapiens

<400> 553
Ser Tyr Ala Met Asn
1   5

<210> 554
<211> 17
<212> PRT
<213> Homo sapiens

<400> 554
Thr Ile Ser His Ser Gly His His Ile Ser His His Asp Ser His His
1   5   10   15

Gly

<210> 555
<211> 8
<212> PRT
<213> Homo sapiens

<400> 555
Ile His His Asp Pro Met Asp Val
1   5

<210> 556
<211> 333
<212> ADN
<213> Homo sapiens

<400> 556
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cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

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gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 557
<211> 111
<212> PRT
<213> Homo sapiens

<400> 557
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1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 558
<211> 11
<212> PRT
<213> Homo sapiens

<400> 558
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 559
<211> 7
<212> PRT
<213> Homo sapiens

<400> 559
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 560
<211> 14
<212> PRT
<213> Homo sapiens

<400> 560
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 561
<211> 351
<212> ADN
<213> Homo sapiens

<400> 561
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggcacct gatccactac 180

gccgaccacc atcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 562

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

<400> 562
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 563
<211> 5
<212> PRT
<213> Homo sapiens

<400> 563
Ser Tyr Ala Met Asn
1   5

<210> 564
<211> 17
<212> PRT
<213> Homo sapiens

<400> 564
Thr Ile Ser Tyr Ser Gly His Leu Ile His Tyr Ala Asp His His His
1   5   10   15

Gly

<210> 565
<211> 8
<212> PRT
<213> Homo sapiens

<400> 565
Ile His His Asp Pro Met Asp Val
1   5

<210> 566
<211> 333
<212> ADN
<213> Homo sapiens

<400> 566
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 567
<211> 111
<212> PRT
<213> Homo sapiens

<400> 567
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65                  70                  75                  80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85                  90                  95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100                 105                 110


<210> 568
<211> 11
<212> PRT
<213> Homo sapiens

<400> 568
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1               5                   10


<210> 569
<211> 7
<212> PRT
<213> Homo sapiens

<400> 569
Asp Asp Ser Asn Arg Pro Ser
1               5


<210> 570
<211> 14
<212> PRT
<213> Homo sapiens

<400> 570
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1               5                   10


<210> 571
<211> 351
<212> ADN
<213> Homo sapiens

<400> 571
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg       60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc      120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagccac      180

gccgaccacg tgcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac      240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac      300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a               351


<210> 572
<211> 117
<212> PRT
<213> Homo sapiens

<400> 572
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100                 105                 110
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Val Thr Val Ser Ser
        115

<210> 573
<211> 5
<212> PRT
<213> Homo sapiens

<400> 573
Ser Tyr Ala Met Asn
1   5

<210> 574
<211> 17
<212> PRT
<213> Homo sapiens

<400> 574
Thr Ile Ser Tyr His Gly Ser His Ile Ser His Ala Asp His Val His
1   5   10   15

Gly

<210> 575
<211> 8
<212> PRT
<213> Homo sapiens

<400> 575
Ile His His Asp Pro Met Asp Val
1   5

<210> 576
<211> 333
<212> ADN
<213> Homo sapiens

<400> 576
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc   60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 577
<211> 111
<212> PRT
<213> Homo sapiens

<400> 577
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 578
<211> 11
<212> PRT
<213> Homo sapiens

<400> 578
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 579

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

<400> 579
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 580
<211> 14
<212> PRT
<213> Homo sapiens

<400> 580
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1 5 10

<210> 581
<211> 351
<212> ADN
<213> Homo sapiens

<400> 581
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

cacgacagcc atcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 582
<211> 117
<212> PRT
<213> Homo sapiens

<400> 582
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 583
<211> 5
<212> PRT
<213> Homo sapiens

<400> 583
Ser Tyr Ala Met Asn
1 5

<210> 584
<211> 17
<212> PRT
<213> Homo sapiens

<400> 584
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr His Asp Ser His His
1 5 10 15

Gly

<210> 585
<211> 8
<212> PRT

<213> Homo sapiens

<400> 585
Ile His His Asp Pro Met Asp Val
1   5

<210> 586
<211> 333
<212> ADN
<213> Homo sapiens

<400> 586
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac   300

gtgttcggcg gagggaccaa gttaaccgtc cta   333

<210> 587
<211> 111
<212> PRT
<213> Homo sapiens

<400> 587
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 588
<211> 11
<212> PRT
<213> Homo sapiens

<400> 588
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 589
<211> 7
<212> PRT
<213> Homo sapiens

<400> 589
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 590
<211> 14
<212> PRT
<213> Homo sapiens

<400> 590
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1   5   10

<210> 591
<211> 351
<212> ADN
<213> Homo sapiens

<400> 591
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg   60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc   120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac   180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac   240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 592
<211> 117
<212> PRT
<213> Homo sapiens

<400> 592
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 593
<211> 5
<212> PRT
<213> Homo sapiens

<400> 593
Ser Tyr Ala Met Asn
1 5

<210> 594
<211> 17
<212> PRT
<213> Homo sapiens

<400> 594
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 595
<211> 8
<212> PRT
<213> Homo sapiens

<400> 595
Ile His His Asp Pro Met Asp Val
1 5

<210> 596
<211> 333
<212> ADN
<213> Homo sapiens

<400> 596
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 597
<211> 111
<212> PRT
<213> Homo sapiens

<400> 597

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


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


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


Asp Asp Ser 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 Met
65                  70                  75                  80


Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85                  90                  95


Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100                 105                 110


<210> 598
<211> 11
<212> PRT
<213> Homo sapiens

<400> 598
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1               5                   10


<210> 599
<211> 7
<212> PRT
<213> Homo sapiens

<400> 599
Asp Asp Ser Asn Arg Pro Ser
1               5


<210> 600
<211> 14
<212> PRT
<213> Homo sapiens

<400> 600
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1               5                   10


<210> 601
<211> 351
<212> ADN
<213> Homo sapiens

<400> 601
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc      120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac      180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac      240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac      300

cacgacccta tggatcactg gggccagggc accctggtga cagtgagctc a               351


<210> 602
<211> 117
<212> PRT
<213> Homo sapiens

<400> 602
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


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


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


His His Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80
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Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ile His His Asp Pro Met Asp His Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 603
<211> 5
<212> PRT
<213> Homo sapiens

<400> 603
Ser Tyr Ala Met Asn
1 5

<210> 604
<211> 17
<212> PRT
<213> Homo sapiens

<400> 604
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 605
<211> 8
<212> PRT
<213> Homo sapiens

<400> 605
Ile His His Asp Pro Met Asp His
1 5

<210> 606
<211> 333
<212> ADN
<213> Homo sapiens

<400> 606
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 607
<211> 111
<212> PRT
<213> Homo sapiens

<400> 607
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 608
<211> 11
<212> PRT
<213> Homo sapiens

<400> 608
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 609
<211> 7
<212> PRT
<213> Homo sapiens

<400> 609
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 610
<211> 14
<212> PRT
<213> Homo sapiens

<400> 610
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1   5   10

<210> 611
<211> 351
<212> ADN
<213> Homo sapiens

<400> 611
gaggtgcagc tgctggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

cacgacagcg tgcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatcactg gggccagggc accctggtga cagtgagctc a   351

<210> 612
<211> 117
<212> PRT
<213> Homo sapiens

<400> 612
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

His His 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 His His Asp Pro Met Asp His Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 613
<211> 5
<212> PRT
<213> Homo sapiens

<400> 613
Ser Tyr Ala Met Asn
1   5

<210> 614
<211> 17
<212> PRT
<213> Homo sapiens

<400> 614
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr His Asp Ser Val His
1   5   10   15

His

<210> 615
<211> 8
<212> PRT
<213> Homo sapiens

<400> 615
Ile His His Asp Pro Met Asp His
1   5

<210> 616
<211> 333
<212> ADN
<213> Homo sapiens

<400> 616
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgacggg cgagaccaac 300

gtgttcggcg gagggaccaa gttaaccgtc cta 333

<210> 617
<211> 111
<212> PRT
<213> Homo sapiens

<400> 617
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr Thr
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 618
<211> 11
<212> PRT
<213> Homo sapiens

<400> 618
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 619
<211> 7
<212> PRT
<213> Homo sapiens

<400> 619
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 620
<211> 14
<212> PRT
<213> Homo sapiens

<400> 620
Gln Thr Trp Asp Gly Asn Pro Thr Thr Gly Glu Thr Asn Val
1   5   10

<210> 621
<211> 351
<212> ADN
<213> Homo sapiens

<400> 621

gaggtgcagc tgctcgagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 622
<211> 117
<212> PRT
<213> Homo sapiens

<400> 622
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 623
<211> 5
<212> PRT
<213> Homo sapiens

<400> 623
Ser Tyr Ala Met Asn
1 5

<210> 624
<211> 17
<212> PRT
<213> Homo sapiens

<400> 624
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 625
<211> 8
<212> PRT
<213> Homo sapiens

<400> 625
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 626
<211> 333
<212> ADN
<213> Homo sapiens

<400> 626
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggccatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgcacgg cgagaccaac 300

gtgttcggcg gagggaccaa gctgaccgtc cta 333

<210> 627
<211> 111
<212> PRT
<213> Homo sapiens

<400> 627
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr His
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 628
<211> 11
<212> PRT
<213> Homo sapiens

<400> 628
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 629
<211> 7
<212> PRT
<213> Homo sapiens

<400> 629
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 630
<211> 14
<212> PRT
<213> Homo sapiens

<400> 630
Gln Thr Trp Asp Gly Asn Pro Thr His Gly Glu Thr Asn Val
1   5   10

<210> 631
<211> 351
<212> ADN
<213> Homo sapiens

<400> 631
gaggtgcagc tgttggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 632
<211> 117
<212> PRT
<213> Homo sapiens

<400> 632
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
115

<210> 633
<211> 5
<212> PRT
<213> Homo sapiens

<400> 633
Ser Tyr Ala Met Asn
1 5

<210> 634
<211> 17
<212> PRT
<213> Homo sapiens

<400> 634
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 635
<211> 8
<212> PRT
<213> Homo sapiens

<400> 635
Ile His His Asp Pro Met Asp Val
1 5

<210> 636
<211> 333
<212> ADN
<213> Homo sapiens

<400> 636
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggccatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgcacgg cgagaccaac 300

gtgttcggcg gagggaccaa gctgaccgtc cta 333

<210> 637
<211> 111
<212> PRT
<213> Homo sapiens

<400> 637
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr His
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu

100 105 110

<210> 638
<211> 11
<212> PRT
<213> Homo sapiens

<400> 638
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 639
<211> 7
<212> PRT
<213> Homo sapiens

<400> 639
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 640
<211> 14
<212> PRT
<213> Homo sapiens

<400> 640
Gln Thr Trp Asp Gly Asn Pro Thr His Gly Glu Thr Asn Val
1 5 10

<210> 641
<211> 351
<212> ADN
<213> Homo sapiens

<400> 641
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 642
<211> 117
<212> PRT
<213> Homo sapiens

<400> 642
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

Val Thr Val Ser Ser
115

<210> 643
<211> 5
<212> PRT
<213> Homo sapiens

<400> 643
Ser Tyr Ala Met Asn
1 5

<210> 644
<211> 17
<212> PRT

<213> Homo sapiens

<400> 644
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1   5   10   15

His

<210> 645
<211> 8
<212> PRT
<213> Homo sapiens

<400> 645
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 646
<211> 333
<212> ADN
<213> Homo sapiens

<400> 646
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggccatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgcacgg cgagaccaac 300

gtgttcggcg gagggaccaa gctgaccgtc cta 333

<210> 647
<211> 111
<212> PRT
<213> Homo sapiens

<400> 647
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr His
                85   90   95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 648
<211> 11
<212> PRT
<213> Homo sapiens

<400> 648
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 649
<211> 7
<212> PRT
<213> Homo sapiens

<400> 649
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 650
<211> 14
<212> PRT
<213> Homo sapiens

<400> 650
Gln Thr Trp Asp Gly Asn Pro Thr His Gly Glu Thr Asn Val
1   5   10

<210> 651
<211> 351
<212> ADN
<213> Homo sapiens

<400> 651
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 652
<211> 117
<212> PRT
<213> Homo sapiens

<400> 652
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 653
<211> 5
<212> PRT
<213> Homo sapiens

<400> 653
Ser Tyr Ala Met Asn
1 5

<210> 654
<211> 17
<212> PRT
<213> Homo sapiens

<400> 654
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 655
<211> 8
<212> PRT
<213> Homo sapiens

<400> 655
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 656
<211> 333
<212> ADN
<213> Homo sapiens

<400> 656
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggccatg 240

gacgaggccg actactactg ccagacctgg gacgggaacc cgacgcacgg cgagaccaac 300

gtgttcggcg gagggaccaa gctgaccgtc cta 333

<210> 657
<211> 111
<212> PRT
<213> Homo sapiens

<400> 657
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Thr Trp Asp Gly Asn Pro Thr His
85 90 95

Gly Glu Thr Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 658
<211> 11
<212> PRT
<213> Homo sapiens

<400> 658
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 659
<211> 7
<212> PRT
<213> Homo sapiens

<400> 659
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 660
<211> 14
<212> PRT
<213> Homo sapiens

<400> 660
Gln Thr Trp Asp Gly Asn Pro Thr His Gly Glu Thr Asn Val
1 5 10

<210> 661
<211> 351
<212> ADN
<213> Homo sapiens

<400> 661
gaggtgcagc tgctcgagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 662
<211> 117
<212> PRT
<213> Homo sapiens

<400> 662
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 663
<211> 5
<212> PRT
<213> Homo sapiens

<400> 663
Ser Tyr Ala Met Asn
1 5

<210> 664
<211> 17
<212> PRT
<213> Homo sapiens

<400> 664
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 665
<211> 8
<212> PRT
<213> Homo sapiens

<400> 665
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 666
<211> 333
<212> ADN
<213> Homo sapiens

<400> 666
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg caccaccacc cgacgcatgg ggagcacaac 300

gtgttcggcg gagggaccaa gctgaccgtc cta 333

<210> 667
<211> 111
<212> PRT
<213> Homo sapiens

<400> 667
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp His His His Pro Thr His
85 90 95

Gly Glu His Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 668
<211> 11
<212> PRT
<213> Homo sapiens

<400> 668
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 669
<211> 7
<212> PRT
<213> Homo sapiens

<400> 669
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 670
<211> 14
<212> PRT
<213> Homo sapiens

<400> 670
His Thr Trp His His His Pro Thr His Gly Glu His Asn Val
1 5 10

<210> 671
<211> 351
<212> ADN
<213> Homo sapiens

<400> 671
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 672
<211> 117
<212> PRT
<213> Homo sapiens

<400> 672
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

Val Thr Val Ser Ser
115

<210> 673
<211> 5
<212> PRT
<213> Homo sapiens

<400> 673

Ser Tyr Ala Met Asn
1 5

<210> 674
<211> 17
<212> PRT
<213> Homo sapiens

<400> 674
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 675
<211> 8
<212> PRT
<213> Homo sapiens

<400> 675
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 676
<211> 333
<212> ADN
<213> Homo sapiens

<400> 676
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg caccaccacc cgacgcatgg ggagcacaac 300

gtgttcggcg gagggaccaa gctgaccgtc cta 333

<210> 677
<211> 111
<212> PRT
<213> Homo sapiens

<400> 677
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp His His His Pro Thr His
85 90 95

Gly Glu His Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 678
<211> 11
<212> PRT
<213> Homo sapiens

<400> 678
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 679
<211> 7
<212> PRT
<213> Homo sapiens

<400> 679
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 680
<211> 14

<212> PRT
<213> Homo sapiens

<400> 680
His Thr Trp His His His Pro Thr His Gly Glu His Asn Val
1 5 10

<210> 681
<211> 351
<212> ADN
<213> Homo sapiens

<400> 681
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 682
<211> 117
<212> PRT
<213> Homo sapiens

<400> 682
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100 105 110

Val Thr Val Ser Ser
        115

<210> 683
<211> 5
<212> PRT
<213> Homo sapiens

<400> 683
Ser Tyr Ala Met Asn
1 5

<210> 684
<211> 17
<212> PRT
<213> Homo sapiens

<400> 684
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 685
<211> 8
<212> PRT
<213> Homo sapiens

<400> 685
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 686
<211> 333
<212> ADN
<213> Homo sapiens

<400> 686
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg caccaccacc cgacgcatgg ggagcacaac 300

gtgttcggcg gagggaccaa gctgaccgtc cta 333

<210> 687
<211> 111
<212> PRT
<213> Homo sapiens

<400> 687
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp His His His Pro Thr His
85 90 95

Gly Glu His Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 688
<211> 11
<212> PRT
<213> Homo sapiens

<400> 688
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 689
<211> 7
<212> PRT
<213> Homo sapiens

<400> 689
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 690
<211> 14
<212> PRT
<213> Homo sapiens

<400> 690
His Thr Trp His His His Pro Thr His Gly Glu His Asn Val
1 5 10

<210> 691
<211> 351
<212> ADN
<213> Homo sapiens

<400> 691
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 692
<211> 117
<212> PRT
<213> Homo sapiens

<400> 692
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
        115

<210> 693
<211> 5
<212> PRT
<213> Homo sapiens

<400> 693
Ser Tyr Ala Met Asn
1   5

<210> 694
<211> 17
<212> PRT
<213> Homo sapiens

<400> 694
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 695
<211> 8
<212> PRT
<213> Homo sapiens

<400> 695
Ile Asn His Asp Pro Met Asp Val
1   5

<210> 696
<211> 333
<212> ADN
<213> Homo sapiens

<400> 696
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg gaccaccacc acacgacggg ggagcacaac 300

gtgttcggcg gagggaccaa gctgaccgtc cta   333

<210> 697
<211> 111
<212> PRT
<213> Homo sapiens

<400> 697
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

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

Gly Glu His Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 698
<211> 11
<212> PRT
<213> Homo sapiens

<400> 698
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 699
<211> 7
<212> PRT
<213> Homo sapiens

<400> 699
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 700
<211> 14
<212> PRT
<213> Homo sapiens

<400> 700
His Thr Trp Asp His His His Thr Thr Gly Glu His Asn Val
1   5   10

<210> 701
<211> 351
<212> ADN
<213> Homo sapiens

<400> 701
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a   351

<210> 702
<211> 117
<212> PRT
<213> Homo sapiens

<400> 702
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
        115

<210> 703
<211> 5
<212> PRT
<213> Homo sapiens

<400> 703
Ser Tyr Ala Met Asn
1 5

<210> 704
<211> 17
<212> PRT
<213> Homo sapiens

<400> 704
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 705
<211> 8
<212> PRT
<213> Homo sapiens

<400> 705
Ile His His Asp Pro Met Asp Val
1 5

<210> 706
<211> 333
<212> ADN
<213> Homo sapiens

<400> 706
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg gaccaccacc acacgacggg ggagcacaac 300

gtgttcggcg gagggaccaa gctgaccgtc cta 333

<210> 707
<211> 111
<212> PRT
<213> Homo sapiens

<400> 707
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

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

Gly Glu His Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 708
<211> 11
<212> PRT
<213> Homo sapiens

<400> 708
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 709
<211> 7
<212> PRT
<213> Homo sapiens

<400> 709
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 710
<211> 14
<212> PRT
<213> Homo sapiens

<400> 710
His Thr Trp Asp His His His Thr Thr Gly Glu His Asn Val
1 5 10

<210> 711
<211> 351
<212> ADN
<213> Homo sapiens

<400> 711
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 712
<211> 117
<212> PRT
<213> Homo sapiens

<400> 712
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

Val Thr Val Ser Ser
115

<210> 713
<211> 5
<212> PRT
<213> Homo sapiens

<400> 713
Ser Tyr Ala Met Asn
1 5

<210> 714
<211> 17
<212> PRT
<213> Homo sapiens

<400> 714
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 715
<211> 8
<212> PRT
<213> Homo sapiens

<400> 715
Ile Asn Asn Asp Pro Met Asp Val

1 5

<210> 716
<211> 333
<212> ADN
<213> Homo sapiens

<400> 716
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg gaccaccacc acacgacggg ggagcacaac 300

gtgttcggcg gagggaccaa gctgaccgtc cta 333

<210> 717
<211> 111
<212> PRT
<213> Homo sapiens

<400> 717
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

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

Gly Glu His Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 718
<211> 11
<212> PRT
<213> Homo sapiens

<400> 718
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 719
<211> 7
<212> PRT
<213> Homo sapiens

<400> 719
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 720
<211> 14
<212> PRT
<213> Homo sapiens

<400> 720
His Thr Trp Asp His His His Thr Thr Gly Glu His Asn Val
1 5 10

<210> 721
<211> 351
<212> ADN
<213> Homo sapiens

<400> 721
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 722
<211> 117
<212> PRT
<213> Homo sapiens

<400> 722
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
        115

<210> 723
<211> 5
<212> PRT
<213> Homo sapiens

<400> 723
Ser Tyr Ala Met Asn
1   5

<210> 724
<211> 17
<212> PRT
<213> Homo sapiens

<400> 724
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 725
<211> 8
<212> PRT
<213> Homo sapiens

<400> 725
Ile Asn His Asp Pro Met Asp Val
1   5

<210> 726
<211> 333
<212> ADN
<213> Homo sapiens

<400> 726
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc   120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg   180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg   240

gacgaggccg actactactg ccagacctgg gacgggcacc accacacggg ggagaccaac   300

cacttcggcg gagggaccaa gctgaccgtc cta   333

<210> 727
<211> 111
<212> PRT
<213> Homo sapiens

<400> 727
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65 70 75 80

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

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 728
<211> 11
<212> PRT
<213> Homo sapiens

<400> 728
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 729
<211> 7
<212> PRT
<213> Homo sapiens

<400> 729
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 730
<211> 14
<212> PRT
<213> Homo sapiens

<400> 730
Gln Thr Trp Asp Gly His His His Thr Gly Glu Thr Asn His
1 5 10

<210> 731
<211> 351
<212> ADN
<213> Homo sapiens

<400> 731
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 732
<211> 117
<212> PRT
<213> Homo sapiens

<400> 732
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 733
<211> 5
<212> PRT
<213> Homo sapiens

<400> 733
Ser Tyr Ala Met Asn
1 5

<210> 734
<211> 17
<212> PRT
<213> Homo sapiens

<400> 734
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 735
<211> 8
<212> PRT
<213> Homo sapiens

<400> 735
Ile His His Asp Pro Met Asp Val
1 5

<210> 736
<211> 333
<212> ADN
<213> Homo sapiens

<400> 736
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggcacc accacacggg ggagaccaac 300

cacttcggcg gagggaccaa gctgaccgtc cta 333

<210> 737
<211> 111
<212> PRT
<213> Homo sapiens

<400> 737
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

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

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 738
<211> 11
<212> PRT
<213> Homo sapiens

<400> 738
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 739
<211> 7
<212> PRT
<213> Homo sapiens

<400> 739
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 740
<211> 14
<212> PRT
<213> Homo sapiens

<400> 740
Gln Thr Trp Asp Gly His His His Thr Gly Glu Thr Asn His
1 5 10

<210> 741
<211> 351
<212> ADN
<213> Homo sapiens

<400> 741
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 742
<211> 117
<212> PRT
<213> Homo sapiens

<400> 742
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

Val Thr Val Ser Ser
115

<210> 743
<211> 5
<212> PRT
<213> Homo sapiens

<400> 743
Ser Tyr Ala Met Asn
1 5

<210> 744
<211> 17
<212> PRT
<213> Homo sapiens

<400> 744
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 745
<211> 8
<212> PRT
<213> Homo sapiens

<400> 745
Ile Asn Asn Asp Pro Met Asp Val
1   5

<210> 746
<211> 333
<212> ADN
<213> Homo sapiens

<400> 746
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggcacc accacacggg ggagaccaac 300

cacttcggcg gagggaccaa gctgaccgtc cta 333

<210> 747
<211> 111
<212> PRT
<213> Homo sapiens

<400> 747
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

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

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 748
<211> 11
<212> PRT
<213> Homo sapiens

<400> 748
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 749
<211> 7
<212> PRT
<213> Homo sapiens

<400> 749
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 750
<211> 14
<212> PRT
<213> Homo sapiens

<400> 750
Gln Thr Trp Asp Gly His His His Thr Gly Glu Thr Asn His
1   5   10

<210> 751
<211> 351
<212> ADN
<213> Homo sapiens

<400> 751
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 752
<211> 117
<212> PRT
<213> Homo sapiens

<400> 752
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 753
<211> 5
<212> PRT
<213> Homo sapiens

<400> 753
Ser Tyr Ala Met Asn
1 5

<210> 754
<211> 17
<212> PRT
<213> Homo sapiens

<400> 754
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 755
<211> 8
<212> PRT
<213> Homo sapiens

<400> 755
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 756
<211> 333
<212> ADN
<213> Homo sapiens

<400> 756
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccagacctgg gacgggcacc accacacggg ggagaccaac 300

cacttcggcg gagggaccaa gctgaccgtc cta 333

<210> 757
<211> 111
<212> PRT

<213> Homo sapiens

<400> 757
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

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

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
            100   105   110

<210> 758
<211> 11
<212> PRT
<213> Homo sapiens

<400> 758
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 759
<211> 7
<212> PRT
<213> Homo sapiens

<400> 759
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 760
<211> 14
<212> PRT
<213> Homo sapiens

<400> 760
Gln Thr Trp Asp Gly His His His Thr Gly Glu Thr Asn His
1   5   10

<210> 761
<211> 351
<212> ADN
<213> Homo sapiens

<400> 761
gaggtgcagc tgctcgagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a   351

<210> 762
<211> 117
<212> PRT
<213> Homo sapiens

<400> 762
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
115

<210> 763
<211> 5
<212> PRT
<213> Homo sapiens

<400> 763
Ser Tyr Ala Met Asn
1 5

<210> 764
<211> 17
<212> PRT
<213> Homo sapiens

<400> 764
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 765
<211> 8
<212> PRT
<213> Homo sapiens

<400> 765
Ile Asn His Asp Pro Met Asp Val
1 5

<210> 766
<211> 333
<212> ADN
<213> Homo sapiens

<400> 766
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg gacgggcacc acacgacggg ggagaccaac 300

cacttcggcg gagggaccaa gctgaccgtc cta 333

<210> 767
<211> 111
<212> PRT
<213> Homo sapiens

<400> 767
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp Asp Gly His His Thr Thr
85 90 95

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 768

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

<400> 768
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1   5   10

<210> 769
<211> 7
<212> PRT
<213> Homo sapiens

<400> 769
Asp Asp Ser Asn Arg Pro Ser
1   5

<210> 770
<211> 14
<212> PRT
<213> Homo sapiens

<400> 770
His Thr Trp Asp Gly His His Thr Thr Gly Glu Thr Asn His
1   5   10

<210> 771
<211> 351
<212> ADN
<213> Homo sapiens

<400> 771
gaggtgcagc tgttggagag cggcggaggg ctggtgcagc caggcggcag cctgaggctg 60

tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctaca gcgggtcgct gatcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a   351

<210> 772
<211> 117
<212> PRT
<213> Homo sapiens

<400> 772
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
        115

<210> 773
<211> 5
<212> PRT
<213> Homo sapiens

<400> 773
Ser Tyr Ala Met Asn
1   5

<210> 774
<211> 17
<212> PRT
<213> Homo sapiens

<400> 774
Thr Ile Ser Tyr Ser Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys

1 5 10 15

Gly

<210> 775
<211> 8
<212> PRT
<213> Homo sapiens

<400> 775
Ile His His Asp Pro Met Asp Val
1 5

<210> 776
<211> 333
<212> ADN
<213> Homo sapiens

<400> 776
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg gacgggcacc acacgacggg ggagaccaac 300

cacttcggcg gagggaccaa gctgaccgtc cta 333

<210> 777
<211> 111
<212> PRT
<213> Homo sapiens

<400> 777
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp Asp Gly His His Thr Thr
85 90 95

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 778
<211> 11
<212> PRT
<213> Homo sapiens

<400> 778
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 779
<211> 7
<212> PRT
<213> Homo sapiens

<400> 779
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 780
<211> 14
<212> PRT
<213> Homo sapiens

<400> 780
His Thr Trp Asp Gly His His Thr Thr Gly Glu Thr Asn His
1 5 10

<210> 781
<211> 351
<212> ADN

<213> Homo sapiens

<400> 781
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

aacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 782
<211> 117
<212> PRT
<213> Homo sapiens

<400> 782
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

Val Thr Val Ser Ser
115

<210> 783
<211> 5
<212> PRT
<213> Homo sapiens

<400> 783
Ser Tyr Ala Met Asn
1 5

<210> 784
<211> 17
<212> PRT
<213> Homo sapiens

<400> 784
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1 5 10 15

His

<210> 785
<211> 8
<212> PRT
<213> Homo sapiens

<400> 785
Ile Asn Asn Asp Pro Met Asp Val
1 5

<210> 786
<211> 333
<212> ADN
<213> Homo sapiens

<400> 786
agtatcgagc tgacccagcc ccccagcgtg agcgtgtccc caggccagac cgccagcatc 60

acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg gacgggcacc acacgacggg ggagaccaac 300

cacttcggcg gagggaccaa gctgaccgtc cta 333

<210> 787
<211> 111
<212> PRT
<213> Homo sapiens

<400> 787
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

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

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

Asp Asp Ser 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 Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp Asp Gly His His Thr Thr
85 90 95

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 788
<211> 11
<212> PRT
<213> Homo sapiens

<400> 788
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 789
<211> 7
<212> PRT
<213> Homo sapiens

<400> 789
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 790
<211> 14
<212> PRT
<213> Homo sapiens

<400> 790
His Thr Trp Asp Gly His His Thr Thr Gly Glu Thr Asn His
1 5 10

<210> 791
<211> 351
<212> ADN
<213> Homo sapiens

<400> 791
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggcacca catcagctac 180

gccgacagcc atcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatcaac 300

cacgacccta tggatgtgtg gggccagggc accctggtca ccgtctcctc a 351

<210> 792
<211> 117
<212> PRT
<213> Homo sapiens

<400> 792
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 793
<211> 5
<212> PRT
<213> Homo sapiens

<400> 793
Ser Tyr Ala Met Asn
1   5

<210> 794
<211> 17
<212> PRT
<213> Homo sapiens

<400> 794
Thr Ile Ser Tyr His Gly His His Ile Ser Tyr Ala Asp Ser His His
1   5   10   15

His

<210> 795
<211> 8
<212> PRT
<213> Homo sapiens

<400> 795
Ile Asn His Asp Pro Met Asp Val
1   5

<210> 796
<211> 333
<212> ADN
<213> Homo sapiens

<400> 796
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acctgcagcg gcgacaacct gggcaagaaa tacgtgcagt ggtatcagca gaagcccggc 120

cagtcccccg tgctggtgat ctacgacgac agcaacaggc ccagcggcat ccccgagagg 180

ttcagcggca gcaacagcgg caacaccgcc accctgacca tcagcggcac ccaggcgatg 240

gacgaggccg actactactg ccacacctgg gacgggcacc acacgacggg ggagaccaac 300

cacttcggcg gagggaccaa gctgaccgtc cta   333

<210> 797
<211> 111
<212> PRT
<213> Homo sapiens

<400> 797
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

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

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

Asp Asp Ser 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 Met
65   70   75   80

Asp Glu Ala Asp Tyr Tyr Cys His Thr Trp Asp Gly His His Thr Thr
                85   90   95

Gly Glu Thr Asn His Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105 110

<210> 798
<211> 11
<212> PRT
<213> Homo sapiens

<400> 798
Ser Gly Asp Asn Leu Gly Lys Lys Tyr Val Gln
1 5 10

<210> 799
<211> 7
<212> PRT
<213> Homo sapiens

<400> 799
Asp Asp Ser Asn Arg Pro Ser
1 5

<210> 800
<211> 14
<212> PRT
<213> Homo sapiens

<400> 800
His Thr Trp Asp Gly His His Thr Thr Gly Glu Thr Asn His
1 5 10

<210> 801
<211> 397
<212> PRT
<213> Homo sapiens

<400> 801
Met Arg Ser Pro Ser Ala Ala Trp Leu Leu Gly Ala Ala Ile Leu Leu
1 5 10 15

Ala Ala Ser Leu Ser Cys Ser Gly Thr Ile Gln Gly Thr Asn Arg Ser
20 25 30

Ser Lys Gly Arg Ser Leu Ile Gly Lys Val Asp Gly Thr Ser His Val
35 40 45

Thr Gly Lys Gly Val Thr Val Glu Thr Val Phe Ser Val Asp Glu Phe
50 55 60

Ser Ala Ser Val Leu Thr Gly Lys Leu Thr Thr Val Phe Leu Pro Ile
65 70 75 80

Val Tyr Thr Ile Val Phe Val Val Gly Leu Pro Ser Asn Gly Met Ala
85 90 95

Leu Trp Val Phe Leu Phe Arg Thr Lys Lys Lys His Pro Ala Val Ile
100 105 110

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

Pro Leu Lys Ile Ala Tyr His Ile His Gly Asn Asn Trp Ile Tyr Gly
130 135 140

Glu Ala Leu Cys Asn Val Leu Ile Gly Phe Phe Tyr Gly Asn Met Tyr
145 150 155 160

Cys Ser Ile Leu Phe Met Thr Cys Leu Ser Val Gln Arg Tyr Trp Val
165 170 175

Ile Val Asn Pro Met Gly His Ser Arg Lys Lys Ala Asn Ile Ala Ile
180 185 190

Gly Ile Ser Leu Ala Ile Trp Leu Leu Ile Leu Leu Val Thr Ile Pro
195 200 205

Leu Tyr Val Val Lys Gln Thr Ile Phe Ile Pro Ala Leu Asn Ile Thr
210 215 220

Thr Cys His Asp Val Leu Pro Glu Gln Leu Leu Val Gly Asp Met Phe
225 230 235 240

Asn Tyr Phe Leu Ser Leu Ala Ile Gly Val Phe Leu Phe Pro Ala Phe

245 250 255

Leu Thr Ala Ser Ala Tyr Val Leu Met Ile Arg Met Leu Arg Ser Ser
260 265 270

Ala Met Asp Glu Asn Ser Glu Lys Lys Arg Lys Arg Ala Ile Lys Leu
275 280 285

Ile Val Thr Val Leu Ala Met Tyr Leu Ile Cys Phe Thr Pro Ser Asn
290 295 300

Leu Leu Leu Val Val His Tyr Phe Leu Ile Lys Ser Gln Gly Gln Ser
305 310 315 320

His Val Tyr Ala Leu Tyr Ile Val Ala Leu Cys Leu Ser Thr Leu Asn
325 330 335

Ser Cys Ile Asp Pro Phe Val Tyr Tyr Phe Val Ser His Asp Phe Arg
340 345 350

Asp His Ala Lys Asn Ala Leu Leu Cys Arg Ser Val Arg Thr Val Lys
355 360 365

Gln Met Gln Val Ser Leu Thr Ser Lys Lys His Ser Arg Lys Ser Ser
370 375 380

Ser Tyr Ser Ser Ser Ser Thr Thr Val Lys Thr Ser Tyr
385 390 395

<210> 802
<211> 39
<212> PRT
<213> Homo sapiens

<400> 802
Ser Leu Ile Gly Lys Val Asp Gly Thr Ser His Val Thr Gly Lys Gly
1 5 10 15

Val Thr Val Glu Thr Val Phe Ser Val Asp Glu Phe Ser Ala Ser Val
20 25 30

Leu Thr Gly Lys Leu Thr Thr
35

<210> 803
<211> 30
<212> PRT
<213> Homo sapiens

<400> 803
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

<210> 804
<211> 14
<212> PRT
<213> Homo sapiens

<400> 804
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
1 5 10

<210> 805
<211> 32
<212> PRT
<213> Homo sapiens

<400> 805
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1 5 10 15

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

<210> 806
<211> 11
<212> PRT
<213> Homo sapiens

<400> 806
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 807
<211> 22
<212> PRT
<213> Homo sapiens

<400> 807
Ser Ile Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1   5   10   15

Thr Ala Ser Ile Thr Cys
            20

<210> 808
<211> 15
<212> PRT
<213> Homo sapiens

<400> 808
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr
1   5   10   15

<210> 809
<211> 32
<212> PRT
<213> Homo sapiens

<400> 809
Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr
1   5   10   15

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

<210> 810
<211> 10
<212> PRT
<213> Homo sapiens

<400> 810
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
1   5   10

<210> 811
<211> 17
<212> PRT
<213> Homo sapiens

<400> 811
Thr Ile Ser Tyr Ser Gly Ser His Ile Ser Tyr His Asp Ser Val His
1   5   10   15

His

<210> 812
<211> 17
<212> PRT
<213> Homo sapiens

<400> 812
Thr Ile Ser Tyr His Gly Ser Leu Ile Ser Tyr His Asp Ser Val His
1   5   10   15

His

<210> 813
<211> 17
<212> PRT
<213> Homo sapiens

<400> 813
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr Ala Asp Ser Val His
1   5   10   15

His

<210> 814
<211> 17
<212> PRT
<213> Homo sapiens

<400> 814
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr His Asp Ser Val Lys
1   5   10   15

His

<210> 815
<211> 17
<212> PRT
<213> Homo sapiens

<400> 815
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr His Asp Ser Val His
1   5   10   15

Gly

<210> 816
<211> 17
<212> PRT
<213> Homo sapiens

<400> 816
Thr Ile Ser Tyr His Gly Ser Leu Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 817
<211> 17
<212> PRT
<213> Homo sapiens

<400> 817
Thr Ile Ser Tyr Ser Gly Ser His Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 818
<211> 17
<212> PRT
<213> Homo sapiens

<400> 818
Thr Ile Ser Tyr His Gly Ser His Ile Ser Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly

<210> 819
<211> 8
<212> PRT
<213> Homo sapiens

<400> 819
Ile His Asn Asp Pro Met Asp Val
1   5

<210> 820
<211> 8
<212> PRT
<213> Homo sapiens

<400> 820
Ile Asn His Asp Pro Met Asp Val
1   5

<210> 821
<211> 117
<212> PRT
<213> Homo sapiens

<400> 821
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

His His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 822
<211> 117
<212> PRT
<213> Homo sapiens

<400> 822
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 823
<211> 117
<212> PRT
<213> Homo sapiens

<400> 823
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 824
<211> 117
<212> PRT
<213> Homo sapiens

<400> 824
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

His His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 825
<211> 117
<212> PRT
<213> Homo sapiens

<400> 825
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

Lys His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 826
<211> 117
<212> PRT
<213> Homo sapiens

<400> 826
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

His 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 His His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 827
<211> 117
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<212> PRT
<213> Homo sapiens

<400> 827
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

His His 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 His Asp Pro Met Asp Val Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 828
<211> 117
<212> PRT
<213> Homo sapiens

<400> 828
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

Val Thr Val Ser Ser
        115

<210> 829
<211> 117
<212> PRT
<213> Homo sapiens

<400> 829
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

Val Thr Val Ser Ser
115

<210> 830
<211> 117
<212> PRT
<213> Homo sapiens

<400> 830
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 831
<211> 117
<212> PRT
<213> Homo sapiens

<400> 831
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Val Thr Val Ser Ser
115

<210> 832
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<212> PRT
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<220>
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<223> /nota="Descripción de la Secuencia Artificial: Péptido sintético”

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Ornitina

<400> 832
Leu Ile Gly Arg Leu Xaa
1 5

<210> 833
<211> 351
<212> ADN
<213> Homo sapiens

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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctact ccgggtcgca catcagctac 180

cacgacagcg tgcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 834
<211> 351
<212> ADN
<213> Homo sapiens

<400> 834
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ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgct catcagctac 180

cacgacagcg tgcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 835
<211> 351
<212> ADN
<213> Homo sapiens

<400> 835
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

gccgacagcg tgcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 836
<211> 351
<212> ADN
<213> Homo sapiens

<400> 836
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

cacgacagcg tgaagcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 837
<211> 351
<212> ADN
<213> Homo sapiens

<400> 837
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

cacgacagcg tgcatggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

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cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 838
<211> 351
<212> ADN
<213> Homo sapiens

<400> 838

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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

cacgacagcg tgcatcacag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

aacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 839
<211> 351
<212> ADN
<213> Homo sapiens

<400> 839
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ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgct catcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 840
<211> 351
<212> ADN
<213> Homo sapiens

<400> 840
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctact ccgggtcgca catcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351

<210> 841
<211> 351
<212> ADN
<213> Homo sapiens

<400> 841
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tcctgcgccg cctccggatt caccttcagc agctacgcca tgaactgggt gcggcaggcc 120

ccaggcaagg gcctggagtg ggtgtccacc atcagctacc acgggtcgca catcagctac 180

gccgacagcg tgaagggcag gttcaccatc agcagggaca acagcaagaa caccctgtac 240

ctgcagatga acagcctgag ggccgaggac accgccgtgt actactgcgc ccgcatccac 300

cacgacccta tggatgtgtg gggccagggc accctggtga cagtgagctc a 351