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<220>  
 <223> Abet0007

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 ccaggaaggg ggctggagtg ggtctcagtt attggttcta gtggtggtac gacagtttac 180  
 gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagaaggg 300  
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 gtcaccgtct cctca 375

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 <211> 125  
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<220>  
 <223> Abet0007

<400> 2  
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 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Val Tyr  
 20 25 30  
 Thr Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ser Val Ile Gly Ser Ser Gly Gly Thr Thr Val 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 Glu Gly Gln Gln Leu Val Arg Pro Tyr Tyr Tyr Tyr Gly Met  
 100 105 110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

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<220>  
 <223> Abet0007

<400> 3  
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<210> 4  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

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Gly

<210> 5  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
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<210> 6  
 <211> 30  
 <212> PRT  
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<220>  
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 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser  
 20 25 30

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 <211> 14  
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<220>  
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 Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
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 <211> 32  
 <212> PRT  
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<220>  
 <223> Abet0007  
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 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
 5 10 15  
 Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
 20 25 30

<210> 9  
 <211> 11  
 <212> PRT  
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<220>  
 <223> Abet0007

<400> 9

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
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<210> 10  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0007

<400> 10  
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 cagtcccctg tcctgggtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
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 accaagctga ccgtccta 318

<210> 11  
 <211> 106  
 <212> PRT  
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<220>  
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<400> 11  
 Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
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 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
                   20                  25                  30  
 Ser Trp Tyr Gln Gln Lys Ser Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                  40                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
                   50                  55                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
                   65                  70                  75                  80  
 Asp Glu Ala Asp Tyr Cys Gln Ala Gln Asp Ser Thr Thr Arg Val  
                   85                  90                  95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   100                  105

<210> 12  
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<220>  
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<400> 12  
 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
                   5                  10

<210> 13  
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<220>  
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<400> 13  
Arg Asp Asp Lys Arg Pro Ser  
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<210> 14  
<211> 9  
<212> PRT  
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<220>  
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<400> 14  
Gln Ala Gln Asp Ser Thr Thr Arg Val  
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<210> 15  
<211> 22  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0007

<400> 15  
Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
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Thr Ala Ser Ile Thr Cys  
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<210> 16  
<211> 15  
<212> PRT  
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<220>  
<223> Abet0007

<400> 16  
Trp Tyr Gln Gln Lys Ser Gly Gln Ser Pro Val Leu Val Ile Tyr  
5 10 15

<210> 17  
<211> 32  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0007

<400> 17  
Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
5 10 15

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

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

<220>  
<223> Abet0007

<400> 18  
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
5 10

<210> 19  
<211> 375

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<212> DNA
<213> Homo sapiens

<220>
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<400> 19
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tcctgtgcag cctctggatt cacctttagc gtttatacta tgtggtgggt ccgccaggct      120
ccaggaaggg ggctggagtg ggtctcagtt attggttcta gtggtggtac gacagtttac      180
gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat      240
ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg      300
atggaccact cccgccccta ctactactac ggtatggacg tctgggggca ggggaccctg      360
gtcacccgtct cctca                                                    375

<210> 20
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0144-GL

<400> 20
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      5              10              15

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

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

Ser Val Ile Gly Ser Ser Gly Gly Thr Thr Val 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met
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Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
      115             120             125

<210> 21
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0144-GL

<400> 21
Val Tyr Thr Met Trp
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<210> 22
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0144-GL

<400> 22

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

<210> 23  
 <211> 16  
 <212> PRT  
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<220>  
 <223> Abet0144-GL

<400> 23  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
                   5                  10                  15

<210> 24  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 24  
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                   5                  10                  15

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

<210> 25  
 <211> 14  
 <212> PRT  
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<220>  
 <223> Abet0144-GL

<400> 25  
 Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
                   5                  10

<210> 26  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 26  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
                   5                  10                  15

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

<210> 27  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 27  
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   5                  10

<210> 28  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 28  
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 acctgctctg gacataactt ggaagataaa tttgcttcct ggtatcaaca gaagccaggc 120  
 cagtcccttg tccgtgtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctatg 240  
 gatgaggctg actattactg tcaggcgcag gacagtacca ctcgagtgtt cggcggaggg 300  
 accaagctga ccgtccta 318

<210> 29  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 29  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
 5 10 15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
 20 25 30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
 35 40 45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
 50 55 60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Met  
 65 70 75 80  
 Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Gln Asp Ser Thr Thr Arg Val  
 85 90 95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 30  
 <211> 11  
 <212> PRT  
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<220>  
 <223> Abet0144-GL

<400> 30  
 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
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<210> 31  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 31  
 Arg Asp Asp Lys Arg Pro Ser  
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<210> 32  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 32  
 Gln Ala Gln Asp Ser Thr Thr Arg Val  
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<210> 33  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 33  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
 5 10 15

Thr Ala Ser Ile Thr Cys  
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<210> 34  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 34  
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 5 10 15

<210> 35  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 35  
 Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
 5 10 15

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

<210> 36  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0144-GL

<400> 36  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
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<210> 37  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>



<223> Abet0319

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ccaggaaggg ggctggagtg ggtctcagtt attggttcta gtggtggcac gacagtctac 180  
gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
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gtcacctgtc cctca 375

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<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0319

<400> 38  
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5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Val Ser Val Tyr Asn Lys Asp  
20 25 30  
Thr Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45  
Ser Val Ile Gly Ser Ser Gly Gly Thr Thr Val 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
100 105 110  
Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120 125

<210> 39  
<211> 5  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0319

<400> 39  
Lys Asp Thr Met Trp  
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<210> 40  
<211> 17  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0319

<400> 40  
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5 10 15

Gly

<210> 41  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0319

<400> 41  
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<210> 42  
 <211> 30  
 <212> PRT  
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<220>  
 <223> Abet0319

<400> 42  
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Val Ser Val Tyr Asn  
                   20                  25                  30

<210> 43  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0319

<400> 43  
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<210> 44  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0319

<400> 44  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
                   20                  25                  30

<210> 45  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0319

<400> 45  
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   5                  10

<210> 46  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0319

<400> 46  
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 cgggtcccctg ccctggtaat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
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 accaagctga ccgtccta 318

<210> 47  
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 <212> PRT  
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<220>  
 <223> Abet0319

<400> 47  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
 5 10 15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Ile Met Asp Lys Trp Val  
 20 25 30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Arg Ser Pro Ala Leu Val Ile Tyr  
 35 40 45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
 50 55 60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
 65 70 75 80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
 85 90 95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 48  
 <211> 11  
 <212> PRT  
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<220>  
 <223> Abet0319

<400> 48  
 Ser Gly His Asn Ile Met Asp Lys Trp Val Ser  
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<210> 49  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0319

<400> 49  
 Arg Asp Asp Lys Arg Pro Ser  
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<210> 50  
 <211> 9  
 <212> PRT

<213> Homo sapiens

<220>

<223> Abet0319

<400> 50

Ser Ser Gln Asp Thr Val Thr Arg Val  
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<210> 51

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0319

<400> 51

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

Thr Ala Ser Ile Thr Cys  
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<210> 52

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0319

<400> 52

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

<210> 53

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0319

<400> 53

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

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

<210> 54

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0319

<400> 54

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
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<210> 55

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Abet0321b

<400> 55

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ccaggaagg ggctggagt ggtctcagtt attggttcta gtggtggtac gacagcttac 180
gcagactccg tgaagggccg gttcaccatc tccagagata attccaagaa cacgctgtat 240
ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300
atggaccact cccgccccta ctactactac ggtatggacg tctgggggca ggggaccctg 360
gtcacctgtc cctca 375

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<212> PRT
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<220>
<223> Abet0321b

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20 25 30
Pro Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ser Val Ile Gly Ser Ser Gly Gly Thr Thr Ala 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met
100 105 110
Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

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

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<220>
<223> Abet0321b

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<400> 57
His Asp Pro Met Trp
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<210> 58
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<212> PRT
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<220>
<223> Abet0321b

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<400> 58
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5 10 15

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Gly

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<210> 59

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<211> 16  
 <212> PRT  
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<220>  
 <223> Abet0321b

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<210> 60  
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 <212> PRT  
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<220>  
 <223> Abet0321b

<400> 60  
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                   20                  25                  30

<210> 61  
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 <212> PRT  
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<220>  
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<400> 61  
 Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
                   5                  10

<210> 62  
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 <212> PRT  
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<220>  
 <223> Abet0321b

<400> 62  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
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                   20                  25                  30

<210> 63  
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<220>  
 <223> Abet0321b

<400> 63  
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   5                  10

<210> 64  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0321b

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<400> 64  
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 acctgctctg gacataactt ggaagataaa tttgcttcct ggtatcaaca gaagccaggc 120  
 cagtccacctg tcctgatcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
 gatgaggctg actattactg ttcgtcccag gacacgggtga ctcgagtgtt cggcggaggg 300  
 accaagctga ccgtccta 318

<210> 65  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0321b

<400> 65  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
 5 10 15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
 20 25 30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Ile Ile Tyr  
 35 40 45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
 50 55 60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
 65 70 75 80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
 85 90 95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 66  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0321b

<400> 66  
 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
 5 10

<210> 67  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0321b

<400> 67  
 Arg Asp Asp Lys Arg Pro Ser  
 5

<210> 68  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0321b

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<400> 68
Ser Ser Gln Asp Thr Val Thr Arg Val
5

<210> 69
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0321b

<400> 69
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
5 10 15

Thr Ala Ser Ile Thr Cys
20

<210> 70
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0321b

<400> 70
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Ile Ile Tyr
5 10 15

<210> 71
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0321b

<400> 71
Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr
5 10 15

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

<210> 72
<211> 10
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0321b

<400> 72
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
5 10

<210> 73
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<223> Abet0322b

<400> 73
gaggtgcagc tgttgagtc tggaggaggc ctggtacagc ctgggggggc cctgagactc 60
tcctgtgcag cctctaacga agagttccag tacaacccta tgtggtgggt ccgccaggct 120
ccaggaaggg ggctggagtg ggtctcagtt attggttcta gtggtggtgc gacagtttac 180

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## 17

gcagacgccg tgaaggcccg gttcaccatc tccagagaca attccgagaa cacgctgtat 240  
 ctgcaaatga acagcctaag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
 atggaccact cccgccccta ctactactac ggtatggacg tctgggggca ggggaccctg 360  
 gtcaccgtct cctca 375

<210> 74  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0322b

<400> 74  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Asn Glu Glu Phe Gln Tyr Asn  
 20 25 30  
 Pro Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ser Val Ile Gly Ser Ser Gly Gly Ala Thr Val Tyr Ala Asp Ala Val  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Glu 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
 100 105 110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 75  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0322b

<400> 75  
 Tyr Asn Pro Met Trp  
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<210> 76  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0322b

<400> 76  
 Val Ile Gly Ser Ser Gly Gly Ala Thr Val Tyr Ala Asp Ala Val Lys  
 5 10 15

Gly

<210> 77  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

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<220>
<223>  Abet0322b

<400>  77
Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val
          5                      10                      15

<210>  78
<211>  30
<212>  PRT
<213>  Homo sapiens

<220>
<223>  Abet0322b

<400>  78
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
          5                      10                      15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Asn Glu Glu Phe Gln
          20                      25                      30

<210>  79
<211>  14
<212>  PRT
<213>  Homo sapiens

<220>
<223>  Abet0322b

<400>  79
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
          5                      10

<210>  80
<211>  32
<212>  PRT
<213>  Homo sapiens

<220>
<223>  Abet0322b

<400>  80
Arg Phe Thr Ile Ser Arg Asp Asn Ser Glu Asn Thr Leu Tyr Leu Gln
          5                      10                      15

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

<210>  81
<211>  11
<212>  PRT
<213>  Homo sapiens

<220>
<223>  Abet0322b

<400>  81
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
          5                      10

<210>  82
<211>  318
<212>  DNA
<213>  Homo sapiens

<220>
<223>  Abet0322b

<400>  82
tcgtacgagt tgactcagcc accctcagtg tccgtgtccc caggacagac ggccagcatc      60
acctgctctg gacataactt gggagataaa tttgcttcct ggtatcaaca gaagccaggc      120

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## 19

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cagtcccctg tcctggtcat ctatcgagat gacaagcggc cctcagagat cctgagcga      180
ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg      240
gatgaggctg actattactg ttctgtccag gacacgggtga ctcgagtgtt cggcggaggg      300
accaagctga ccgtcctg                                     318

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<210> 83
<211> 106
<212> PRT
<213> Homo sapiens

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<220>
<223> Abet0322b

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<400> 83
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
          5                      10                      15

Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Gly Asp Lys Phe Ala
          20                      25                      30

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

Arg Asp Asp Lys Arg Pro Ser Glu Ile Pro Glu Arg Phe Ser Ala Ser
          50                      55                      60

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

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

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

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<210> 84
<211> 11
<212> PRT
<213> Homo sapiens

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<220>
<223> Abet0322b

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<400> 84
Ser Gly His Asn Leu Gly Asp Lys Phe Ala Ser
          5                      10

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<210> 85
<211> 7
<212> PRT
<213> Homo sapiens

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<220>
<223> Abet0322b

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<400> 85
Arg Asp Asp Lys Arg Pro Ser
          5

```

```

<210> 86
<211> 9
<212> PRT
<213> Homo sapiens

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```

<220>
<223> Abet0322b

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<400> 86
Ser Ser Gln Asp Thr Val Thr Arg Val
          5

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<210> 87  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0322b

<400> 87  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                  10                  15  
 Thr Ala Ser Ile Thr Cys  
                   20

<210> 88  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0322b

<400> 88  
 Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   5                  10                  15

<210> 89  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0322b

<400> 89  
 Glu Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
                   5                  10                  15  
 Leu Thr Ile Ser Gly Thr Gln Ala Thr Asp Glu Ala Asp Tyr Tyr Cys  
                   20                  25                  30

<210> 90  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0322b

<400> 90  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   5                  10

<210> 91  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0323b

<400> 91  
 gaggtgcagc tgttgagtc tgggggaggc ttggtacagc ctggggggtc cctgagactc 60  
 tcctgtgcag cctctaccag cacgttcagc gaagacacta tgttgtgggt ccgccaggct 120  
 ccaggaaggg ggctggagtg ggtctcagtt attggtccca acccgaagaa caacgcctac 180  
 gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300

## 21

atggaccact cccgccccta ctactactac ggtatggaag tctgggggca ggggaccctg 360  
gtcacccgtct cctca 375

<210> 92  
<211> 125  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0323b

<400> 92  
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Thr Ser Thr Phe Gln Glu Asp  
20 25 30  
Thr Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45  
Ser Val Ile Gly Pro Asn Pro Lys Asn Asn Ala 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
100 105 110  
Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120 125

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

<220>  
<223> Abet0323b

<400> 93  
Glu Asp Thr Met Trp  
5

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

<220>  
<223> Abet0323b

<400> 94  
Val Ile Gly Pro Asn Pro Lys Asn Asn Ala Tyr Ala Asp Ser Val Lys  
5 10 15

Gly

<210> 95  
<211> 16  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0323b

<400> 95

## 22

Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
5 10 15

<210> 96  
<211> 30  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0323b

<400> 96  
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Thr Ser Thr Phe Gln  
20 25 30

<210> 97  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0323b

<400> 97  
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
5 10

<210> 98  
<211> 32  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0323b

<400> 98  
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
5 10 15  
Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
20 25 30

<210> 99  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0323b

<400> 99  
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
5 10

<210> 100  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Abet0323b

<400> 100  
tcgtacgagt tgactcagcc accctcagta tccgtgtccc caggacagac ggccagcatc 60  
acctgctctg gacataactt ggaagataaa ttgcttcct ggtatcaaca gaagccaggc 120  
cagtcacctg tcctgggtcat ctatcgagat gacaagcggc cctctggggc cctgagcga 180  
ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240

## 23

gatgaggctg actattactg ttctgtcccag gacacggtga ctcgagtgtt cggcggaggg 300  
 accaagctga tcgtccta 318

<210> 101  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0323b

<400> 101  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                  10                  15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
                   20                  25                  30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                  40                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Val Pro Glu Arg Phe Ser Ala Ser  
                   50                  55                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
                   65                  70                  75                  80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
                   85                  90                  95  
 Phe Gly Gly Gly Thr Lys Leu Ile Val Leu  
                   100                  105

<210> 102  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0323b

<400> 102  
 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
                   5                  10

<210> 103  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0323b

<400> 103  
 Arg Asp Asp Lys Arg Pro Ser  
                   5

<210> 104  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0323b

<400> 104  
 Ser Ser Gln Asp Thr Val Thr Arg Val  
                   5

<210> 105  
 <211> 22

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<212> PRT
<213> Homo sapiens

<220>
<223> Abet0323b

<400> 105
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
      5                      10                      15

Thr Ala Ser Ile Thr Cys
      20

<210> 106
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0323b

<400> 106
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr
      5                      10                      15

<210> 107
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0323b

<400> 107
Gly Val Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr
      5                      10                      15

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

<210> 108
<211> 10
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0323b

<400> 108
Phe Gly Gly Gly Thr Lys Leu Ile Val Leu
      5                      10

<210> 109
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<223> Abet0328

<400> 109
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tcctgtgcag cctccagaga cccttcaag gcggacacta tgtggtgggt ccgccaggct      120
ccaaggaaga ggctggagtg ggtctcagtt attggtgccc acaccaccaa cagcgcgtag      180
gcgactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat      240
ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg      300
atggaccgct ccgccccta ctactactac ggtatggaag tctgggggca ggggaccctg      360
gtcacccgtct cctca                                         375

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<210> 110  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 110  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Arg Asp Pro Phe Lys Ala Asp  
                   20                  25                  30  
 Thr Met Trp Trp Val Arg Gln Ala Pro Arg Lys Arg Leu Glu Trp Val  
                   35                  40                  45  
 Ser Val Ile Gly Ala His Thr Thr Asn Ser Ala 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 Glu Trp Met Asp Arg Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
                   100                  105                  110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   115                  120                  125

<210> 111  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 111  
 Ala Asp Thr Met Trp  
                   5

<210> 112  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 112  
 Val Ile Gly Ala His Thr Thr Asn Ser Ala Tyr Ala Asp Ser Val Lys  
                   5                  10                  15

Gly

<210> 113  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 113  
 Glu Trp Met Asp Arg Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
                   5                  10                  15

<210> 114  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 114  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Arg Asp Pro Phe Lys  
                   20                  25                  30

<210> 115  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 115  
 Trp Val Arg Gln Ala Pro Arg Lys Arg Leu Glu Trp Val Ser  
                   5                  10

<210> 116  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 116  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
                   5                  10                  15  
 Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
                   20                  25                  30

<210> 117  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 117  
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   5                  10

<210> 118  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 118  
 tcgtacgagt tgactcagcc accctcagtg tccgtgtccc caggacagac ggtcagcatc 60  
 acctgctctg gacgtaactt ggaagataaa tttgcttcct ggtatcaaca gaagccaggc 120  
 cagtcccttg tctgtgcat ctatcgagat gacaagcggc cctcaggggt ccctgagcga 180  
 ttctctgcct ccaactccgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
 gatgaggctg actattactg ttctgtccag gacacgggtga ctcgagtgtt cggcggaggg 300  
 accaagctga ccgtccta 318

<210> 119  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 119  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                  10                  15  
 Thr Val Ser Ile Thr Cys Ser Gly Arg Asn Leu Glu Asp Lys Phe Ala  
                   20                  25                  30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                  40                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Val Pro Glu Arg Phe Ser Ala Ser  
                   50                  55                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
                   65                  70                  75                  80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
                   85                  90                  95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   100                  105

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

<220>  
 <223> Abet0328

<400> 120  
 Ser Gly Arg Asn Leu Glu Asp Lys Phe Ala Ser  
                   5                  10

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

<220>  
 <223> Abet0328

<400> 121  
 Arg Asp Asp Lys Arg Pro Ser  
                   5

<210> 122  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0328

<400> 122  
 Ser Ser Gln Asp Thr Val Thr Arg Val  
                   5

<210> 123  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>

<223> Abet0328

<400> 123

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

Thr Val Ser Ile Thr Cys  
20

<210> 124

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0328

<400> 124

Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
5 10 15

<210> 125

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0328

<400> 125

Gly Val Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
5 10 15

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

<210> 126

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0328

<400> 126

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
5 10

<210> 127

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Abet0329

<400> 127

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tcctgtgcag cctctacgtt taacctcaag cgcgagacta tgtggtgggt ccgccaggct 120  
ccaggaaggg ggctggagtg ggtctccgtt attggttccc accaggagcg cagcagctac 180  
gcagactccg tgaagggcgc gttcaccatc tccagagaca attccaagaa cagctgtat 240  
ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
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gtcaccgtct cctca 375

<210> 128

<211> 125

<212> PRT  
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<220>  
 <223> Abet0329

<400> 128  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
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 Ser Leu Arg Leu Ser Cys Ala Ala Ser Thr Phe Asn Leu Lys Arg Glu  
                   20                  25                  30  
 Thr Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
                   35                  40                  45  
 Ser Val Ile Gly Ser His Gln Glu Arg Thr 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
                   100                  105                  110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   115                  120                  125

<210> 129  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0329

<400> 129  
 Arg Glu Thr Met Trp  
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<210> 130  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0329

<400> 130  
 Val Ile Gly Ser His Gln Glu Arg Thr Ser Tyr Ala Asp Ser Val Lys  
                   5                  10                  15

Gly

<210> 131  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0329

<400> 131  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
                   5                  10                  15

<210> 132  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
<223> Abet0329

<400> 132  
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Thr Phe Asn Leu Lys  
20 25 30

<210> 133  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0329

<400> 133  
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
5 10  
<210> 134  
<211> 32  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0329

<400> 134  
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
5 10 15  
Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
20 25 30

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

<220>  
<223> Abet0329

<400> 135  
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
5 10  
<210> 136  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Abet0329

<400> 136  
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acctgctctg gacataacgt gagcgacaag tggatgacgt ggtatcagca gaagccaggc 120  
cagtcccctg tcctgggtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaagctacg 240  
gatgaggctg actattactg ttcgtcccag gacacggtga ctcgagtgtt cggcggaggg 300  
accaagctga ccgtccta 318

<210> 137  
<211> 106

<212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <223> Abet0329  
  
 <400> 137  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                  10                  15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Val Ser Asp Lys Trp Met  
                   20                  25                  30  
 Thr Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                  40                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
                   50                  55                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
                   65                  70                  75                  80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
                   85                  90                  95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   100                  105

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

<220>  
 <223> Abet0329

<400> 138  
 Ser Gly His Asn Val Ser Asp Lys Trp Met Thr  
                   5                  10

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

<220>  
 <223> Abet0329

<400> 139  
 Arg Asp Asp Lys Arg Pro Ser  
                   5

<210> 140  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0329

<400> 140  
 Ser Ser Gln Asp Thr Val Thr Arg Val  
                   5

<210> 141  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0329

<400> 141  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln

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                    5                10                15
Thr Ala Ser Ile Thr Cys
      20

<210> 142
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0329

<400> 142
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr
      5                10                15

<210> 143
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0329

<400> 143
Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr
      5                10                15

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

<210> 144
<211> 10
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0329

<400> 144
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
      5                10

<210> 145
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<223> Abet0332

<400> 145
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctggggagtc cctgagactc      60
tcctgtgcag cctcttccga ctctggcac accgacatta tgtggtgggt ccgccaggct      120
ccaggaaga ggctggagtg ggtctcagtt attggttaact cgaacaagaa gatcgcttac      180
gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat      240
ctgcaaata acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg      300
atggaccact cccgccccta ctactactac ggtatggaog totgggggca ggggaacctg      360
gtcacctgt catca      375

<210> 146
<211> 125
<212> PRT
<213> Homo sapiens

<220>

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### 33

<223> Abet0332

<400> 146

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Asp Ser Trp His Thr Asp  
20 25 30

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

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

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

<210> 147

<211> 5

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0332

<400> 147

Thr Asp Ile Met Trp  
5

<210> 148

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0332

<400> 148

Val Ile Gly Asn Ser Asn Lys Lys Ile Ala Tyr Ala Asp Ser Val Lys  
5 10 15

Gly

<210> 149

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0332

<400> 149

Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
5 10 15

<210> 150

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0332

### 34

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<400> 150
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Glu
      5              10              15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Asp Ser Trp His
      20              25              30

<210> 151
<211> 14
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0332

<400> 151
Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val Ser
      5              10

<210> 152
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0332

<400> 152
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
      5              10              15

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

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

<220>
<223> Abet0332

<400> 153
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
      5              10

<210> 154
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Abet0332

<400> 154
tcgtacgagt tgactcagcc accctcagtg tccgtgtccc cagggcagac ggccagcatc      60
acctgctctg gagataacat cggcgcgaag tgggtgagct ggtatcaaca gaagccaggc      120
cagtcaccta tcctggatcat ctatcgagat gacaagcggc cctcagggat ccctgagcga      180
ttctctgctt ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg      240
gatgaggctg actattactg tcaggcgcag gccaggtga ccaggtcgtt cggcggaggg      300
accaagctga cgttcta      318

<210> 155
<211> 106
<212> PRT
<213> Homo sapiens

<220>

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<223> Abet0332

<400> 155

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

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

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

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

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

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

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

<210> 156

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0332

<400> 156

Ser Gly His Asn Ile Gly Ala Lys Trp Val Ser  
5 10

<210> 157

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0332

<400> 157

Arg Asp Asp Lys Arg Pro Ser  
5

<210> 158

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0332

<400> 158

Gln Ala Gln Gly Gln Val Thr Arg Ser  
5

<210> 159

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0332

<400> 159

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

Thr Ala Ser Ile Thr Cys  
20

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

<220>  
 <223> Abet0332

<400> 160  
 Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Ile Leu Val Ile Tyr  
                   5                                  10                                  15

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

<220>  
 <223> Abet0332

<400> 161  
 Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
                   5                                  10                                  15  
 Leu Thr Ile Ser Gly Thr Gln Ala Thr Asp Glu Ala Asp Tyr Tyr Cys  
                   20                                  25                                  30

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

<220>  
 <223> Abet0332

<400> 162  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   5                                  10

<210> 163  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 163  
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 ccaggaaggg ggctggagtg ggtctcagtt attggtgccc agaccagaa caaggcgtac 180  
 gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
 atggaccact cccgcccta ctactactac ggtatggacg tctgggggca ggggaccctg 360  
 gtcaccgtct cctca 375

<210> 164  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 164  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

## 37

5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Arg Arg Ser  
 20 25 30  
 Val Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ser Val Ile Gly Ala Gln Thr Gln Asn Lys Ala 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
 100 105 110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 165  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 165  
 Arg Ser Val Met Trp  
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<210> 166  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 166  
 Val Ile Gly Ala Gln Thr Gln Asn Lys Ala Tyr Ala Asp Ser Val Lys  
 5 10 15

Gly

<210> 167  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 167  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
 5 10 15

<210> 168  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 168  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 5 10 15

# 38

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

<210> 169  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0342

<400> 169  
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
5 10

<210> 170  
<211> 32  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0342

<400> 170  
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
5 10 15

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

<210> 171  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0342

<400> 171  
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
5 10

<210> 172  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Abet0342

<400> 172  
tcgtacgagt tgactcagcc accctcagtg tccgtgtccc caggacagac ggccagcatc 60  
acctgctctg gacataactt ggaagataaa ttgcttcct ggtatcaaca gaagccaggc 120  
cagtcacccc tcctgggtcat ctatcgggat gacaagcggc cctcagggat cctgagcga 180  
ttctctgcct ccaactctgg ggacactgcc actctgacca tcagcgggac ccaggctatg 240  
gatgaggctg actattactg tcaggcgag gacagtacca ctcgagtgtt cggcggaggg 300  
actaagctga ccgtccta 318

<210> 173  
<211> 106  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0342

<400> 173  
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln

## 39

5 10 15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
 20 25 30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
 35 40 45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
 50 55 60  
 Asn Ser Gly Asp Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Met  
 65 70 75 80  
 Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Gln Asp Ser Thr Thr Arg Val  
 85 90 95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 174  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 174  
 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
 5 10

<210> 175  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 175  
 Arg Asp Asp Lys Arg Pro Ser  
 5

<210> 176  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 176  
 Gln Ala Gln Asp Ser Thr Thr Arg Val  
 5

<210> 177  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

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

Thr Ala Ser Ile Thr Cys  
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<210> 178  
 <211> 15

<212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 178  
 Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   5                  10                  15

<210> 179  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 179  
 Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly Asp Thr Ala Thr  
                   5                  10                  15  
 Leu Thr Ile Ser Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys  
                   20                  25                  30

<210> 180  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0342

<400> 180  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   5                  10

<210> 181  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0343

<400> 181  
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 tcctgtgcag cctctggatt caactttaac caccaggtga tgtggtgggt ccgccaggct 120  
 ccaggaaggg ggctggagtg ggtctcagtt attgtaaga ccaacgagaa catcgcttac 180  
 gcgactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
 atggaccact ctgcgcccta ctactactac ggtatggacg tctgggggca ggggaccctg 360  
 gtcaccgtct cctca 375

<210> 182  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343

<400> 182  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Phe Asn His Gln  
                   20                  25                  30



# 41

Val Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45  
Ser Val Ile Gly Lys Thr Asn Glu Asn Ile Ala 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
100 105 110  
Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120 125

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

<220>  
<223> Abet0343

<400> 183  
His Gln Val Met Trp  
5

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

<220>  
<223> Abet0343

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

Gly

<210> 185  
<211> 16  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0343

<400> 185  
Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
5 10 15

<210> 186  
<211> 30  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0343

<400> 186  
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
5 10 15

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

<210> 187  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343

<400> 187  
 Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
                   5                  10

<210> 188  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343

<400> 188  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
                   5                  10                  15  
 Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
                   20                  25                  30

<210> 189  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343

<400> 189  
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   5                  10

<210> 190  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0343

<400> 190  
 cagagcgtct tgactcagcc accctcagtg tccgtgtccc caggacagac ggcccagcatc 60  
 acctgtctctg gacataactt ggaagataaa tttgcttcct ggtatcaaca gaagtcaggc 120  
 cagtccoctgt tcctgggtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
 gatgaggctg actattactg ttcgtcccag gacacgggtga ctcgagtgtt cggcggaggg 300  
 accaagctga ccgtccta 318

<210> 191  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343

<400> 191  
 Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                  10                  15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
                   20                  25                  30

# 43

Ser Trp Tyr Gln Gln Lys Ser Gly Gln Ser Pro Val Leu Val Ile Tyr  
35 40 45  
Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
50 55 60  
Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
65 70 75 80  
Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
85 90 95  
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105

<210> 192  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0343

<400> 192  
Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
5 10

<210> 193  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0343

<400> 193  
Arg Asp Asp Lys Arg Pro Ser  
5

<210> 194  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0343

<400> 194  
Ser Ser Gln Asp Thr Val Thr Arg Val  
5

<210> 195  
<211> 22  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0343

<400> 195  
Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
5 10 15

Thr Ala Ser Ile Thr Cys  
20

<210> 196  
<211> 15  
<212> PRT  
<213> Homo sapiens

<220>

<223> Abet0343

<400> 196

Trp Tyr Gln Gln Lys Ser Gly Gln Ser Pro Val Leu Val Ile Tyr  
5 10 15

<210> 197

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0343

<400> 197

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

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

<210> 198

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0343

<400> 198

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
5 10

<210> 199

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Abet0344

<400> 199

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tctgtgtcag cctctggatt caccttttagc gtttatacta tgtgtgtgggt ccgccaggct 120  
ccaggaaggg ggctggagtg ggtctcagtt attggtggga acgagacccg gaaggcctac 180  
gcagactccg tgaaggggccg gttcaccatc tccaggggaca attccaagaa caggctgtat 240  
ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
atggaccact cccgcccccta ctactactac ggtatggacg tctgggggca ggggaccctg 360  
gtcaccgtct cctca 375

<210> 200

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0344

<400> 200

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

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

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

## 45

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Arg 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
100 105 110

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

<210> 201  
<211> 5  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0344

<400> 201  
Val Tyr Thr Met Trp  
5

<210> 202  
<211> 17  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0344

<400> 202  
Val Ile Gly Gly Asn Glu Thr Arg Lys Ala Tyr Ala Asp Ser Val Lys  
5 10 15

Gly

<210> 203  
<211> 16  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0344

<400> 203  
Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
5 10 15

<210> 204  
<211> 30  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0344

<400> 204  
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
5 10 15

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

<210> 205  
<211> 14  
<212> PRT  
<213> Homo sapiens

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<220>
<223> Abet0344

<400> 205
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
          5                      10

<210> 206
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0344

<400> 206
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Arg Leu Tyr Leu Gln
          5                      10                      15

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

<210> 207
<211> 11
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0344

<400> 207
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
          5                      10

<210> 208
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Abet0344

<400> 208
cagagcgtct tgactcagcc accctcagtg tccgtgtccc caggacagac ggccagcatc      60
acctgctctg gacataactt ggaagataaa tttgcttcct ggtatcaaca gaagtcaggc      120
cagtccoctg tcctgggtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga      180
ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg      240
gatgaggctg actattactg tgcgaccag gacaacttca ctcgagtgtt cggcggaggc      300
accaagctga ccgtccta                                318

<210> 209
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0344

<400> 209
Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
          5                      10                      15

Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala
          20                      25                      30

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

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# 47

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

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

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

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

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

<220>  
<223> Abet0344

<400> 210  
Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
5 10

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

<220>  
<223> Abet0344

<400> 211  
Arg Asp Asp Lys Arg Pro Ser  
5

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

<220>  
<223> Abet0344

<400> 212  
Ala Thr Gln Asp Asn Phe Thr Arg Val  
5

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

<220>  
<223> Abet0344

<400> 213  
Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
5 10 15

Thr Ala Ser Ile Thr Cys  
20

<210> 214  
<211> 15  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0344

<400> 214  
Trp Tyr Gln Gln Lys Ser Gly Gln Ser Pro Val Leu Val Ile Tyr

5 10 15

<210> 215  
<211> 32  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0344

<400> 215  
Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
5 10 15  
Leu Thr Ile Ser Gly Thr Gln Ala Thr Asp Glu Ala Asp Tyr Tyr Cys  
20 25 30

<210> 216  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0344

<400> 216  
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
5 10

<210> 217  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Abet0368

<400> 217  
gaggtgcagc tgttgagatc tgggggagggc ttagtacagc cggggggggtc cctgagactc 60  
tcctgtgcag cctctggatt cgactttggg ccgagcccta tgtggtgggt ccgccaggct 120  
ccaggaagg ggctggagtg ggtctcagtt attggttaagg acaccagaa cagcacgtac 180  
gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagga cagcgtgtat 240  
ctgcaaatga acagcctgaa agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
atggaccact cccgccccta ctactactac ggtatggacg tctgggggca ggggaccctg 360  
gtcacctgtc cctca 375

<210> 218  
<211> 125  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0368

<400> 218  
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Gly Pro Ser  
20 25 30  
Pro Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45  
Ser Val Ile Gly Lys Asp Thr Gln Asn Ser Thr Tyr Ala Asp Ser Val  
50 55 60  
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asp Thr Leu Tyr



65					70					75					80	
Leu	Gln	Met	Asn	Ser	Leu	Lys	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	
				85					90					95		
Ala	Arg	Glu	Trp	Met	Asp	His	Ser	Arg	Pro	Tyr	Tyr	Tyr	Tyr	Gly	Met	
				100					105					110		
Asp	Val	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser				
				115					120					125		

<220>  
<223> Abet.0368

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<210> 220
<211> 17
<212> PRT
<213> Homo sapiens
```

<220>  
<223> Abet.0368

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<400> 220
Val Ile Gly Lys Asp Thr Gln Asn Ser Thr Tyr Ala Asp Ser Val Lys
          5              10              15
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Gly

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<210> 221
<211> 16
<212> PRT
<213> Homo sapiens
```

<220>  
<223> Abet.0368

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<400> 221
Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val
          5              10              15
```

```
<210> 222
<211> 30
<212> PRT
<213> Homo sapiens
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<220>  
<223> Abet0368

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

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

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<210> 223
<211> 14
<212> PRT
<213> Homo sapiens
```

<220>  
<223> Abet0368

## 50

<400> 223  
 Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
                   5                                  10

<210> 224  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0368

<400> 224  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asp Thr Leu Tyr Leu Gln  
                   5                                  10                                  15

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

<210> 225  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0368

<400> 225  
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   5                                  10

<210> 226  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0368

<400> 226  
 tcgtacgagt tgactcagcc accctcagtg tccgtgtccc caggacagac ggccagcatc 60  
 acctgctctg gacataactt ggaagataaa ttacttcct ggtatcaaca gaagtcaggc 120  
 cagtccoctg tcctggatcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcggggc ccaggctacg 240  
 gatgaggctg actattactg ttctgtccag gacacgggtga ctcgagtgtt cggcggaggg 300  
 accaagctga ccgtccta 318

<210> 227  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0368

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

Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Thr  
                   20                                  25                                  30

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

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

Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Ala Gln Ala Thr

65				70					75					80
Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Ser	Ser	Gln	Asp	Thr	Val	Thr	Arg
			85						90					95
Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu					
			100					105						

<220>  
<223> Abet0368

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<210> 229
<211> 7
<212> PRT
<213> Homo sapiens
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<220>  
<223> Abet0368

<400> 229  
Arg Asp Asp Lys Arg Pro Ser  
5

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<210> 230
<211> 9
<212> PRT
<213> Homo sapiens
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<220>  
<223> Abet0368

<400> 230  
Ser Ser Gln Asp Thr Val Thr Arg Val  
5

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<210> 231
<211> 22
<212> PRT
<213> Homo sapiens
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<220>  
<223> Abet0368

```
<400> 231
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
          5              10              15
```

Thr Ala Ser Ile Thr Cys  
20

```
<210> 232
<211> 15
<212> PRT
<213> Homo sapiens
```

<220>  
<223> Abet.0368

<400> 232  
Trp Tyr Gln Gln Lys Ser Gly Gln Ser Pro Val Leu Val Ile Tyr  
5 10 15

<210> 233

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

<220>  
 <223> Abet0368

<400> 233  
 Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
                   5                  10                  15  
 Leu Thr Ile Ser Gly Ala Gln Ala Thr Asp Glu Ala Asp Tyr Tyr Cys  
                   20                  25                  30

<210> 234  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0368

<400> 234  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   5                  10

<210> 235  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 235  
 gaggtgcagc tggttgagtc tgggggaggc ctggtacagc ctgggggggc cctgagactc 60  
 tcctgtgcag cctcttcggt ccagatctcg aagaacacta tgtggtgggt ccgccgggct 120  
 ccaggaaggg ggctggagtg ggtctcagtt attggttaagg acgagacccg cttcaactac 180  
 gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa caccctgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
 atggaccact cccgcccccta ctactactac ggtatggacg tctgggggca ggggaccctg 360  
 gtcaccgtct cctca 375

<210> 236  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 236  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Phe Gln Ile Ser Lys Asn  
                   20                  25                  30  
 Thr Met Trp Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val  
                   35                  40                  45  
 Ser Val Ile Gly Lys Asp Glu Thr Arg Phe Asn 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

## 53

Ala Arg Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
 100 105 110

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

<210> 237  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 237  
 Lys Asn Thr Met Trp  
 5

<210> 238  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 238  
 Val Ile Gly Lys Asp Glu Thr Arg Phe Asn Tyr Ala Asp Ser Val Lys  
 5 10 15

Gly

<210> 239  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 239  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
 5 10 15

<210> 240  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 240  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Phe Gln Ile Ser  
 20 25 30

<210> 241  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 241  
 Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
 5 10

<210> 242  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 242  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
                   5                  10                  15  
 Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
                   20                  25                  30

<210> 243  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 243  
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   5                  10

<210> 244  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 244  
 tcgtacgggt tgactcagcc accctcagtg tccgtgtccc caggacagac ggccagcatc 60  
 acctgctctg gacgtaacat cggggacagc tgggtcgcggt ggtatcaaca gaagccaggc 120  
 cagtcacctg tcctgggtcat ctatcgagat gacaagcggc cctcagggat cctgagcgga 180  
 ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
 gatgaggctg actattactg ttctgccag gacacgggtga ctcgagtgtt cggcggaggg 300  
 accaagctga ccgtccta 318

<210> 245  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 245  
 Ser Tyr Gly Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                  10                  15  
 Thr Ala Ser Ile Thr Cys Ser Gly Arg Asn Ile Gly Asp Ser Trp Val  
                   20                  25                  30  
 Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                  40                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
                   50                  55                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
                   65                  70                  75                  80  
 Asp Glu Ala Asp Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
                   85                  90                  95

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

<210> 246  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 246  
 Ser Gly Arg Asn Ile Gly Asp Ser Trp Val Ala  
 5 10

<210> 247  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 247  
 Arg Asp Asp Lys Arg Pro Ser  
 5

<210> 248  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 248  
 Ser Ser Gln Asp Thr Val Thr Arg Val  
 5

<210> 249  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 249  
 Ser Tyr Gly Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
 5 10 15

Thr Ala Ser Ile Thr Cys  
 20

<210> 250  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0369

<400> 250  
 Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
 5 10 15

<210> 251  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

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<220>
<223>  Abet0369

<400>  251
Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr
          5                      10                      15

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

<210>  252
<211>  10
<212>  PRT
<213>  Homo sapiens

<220>
<223>  Abet0369

<400>  252
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
          5                      10

<210>  253
<211>  375
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<220>
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tcctgtgcag cctctggatt ccactttccc atgagcgcca tgtggtgggt ccgccaggct      120
ccaggaaggg ggctggagtg ggtctcagtc attggtgaga ccccgagag gcaggcctac      180
gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagag cagcgtgtat      240
ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg      300
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gtcacccgtct cctca                                                    375

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<220>
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe His Phe Pro Met Ser
          20                      25                      30

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Ser 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met
          100                      105                      110

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## 57

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

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 <211> 5  
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<220>  
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<220>  
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 Val Ile Gly Glu Thr Pro Glu Arg Gln Ala Tyr Ala Asp Ser Val Lys  
 5 10 15

Gly

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<220>  
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<400> 257  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
 5 10 15

<210> 258  
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<220>  
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe His Phe Pro  
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<400> 259  
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<213> Homo sapiens

<220>

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<400> 260

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

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<211> 11

<212> PRT

<213> Homo sapiens

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<223> Abet0370

<400> 261

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
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<211> 318

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<213> Homo sapiens

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cagtcccgctg tcctgggtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga	180
ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctatg	240
gatgaggctg actattactg tcaggcgcag gatagtacca ctcgagtgtt cggcggaggg	300
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<400> 263

Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
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Thr Ala Ser Ile Thr Cys Thr Thr Pro His Phe Asn Ser Lys Phe Ala  
20 25 30

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

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

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

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

Phe Gly Gly Gly Thr Arg Leu Thr Val Leu  
100 105

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<220>  
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 Thr Thr Pro His Phe Asn Ser Lys Phe Ala Ser  
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<210> 265  
 <211> 7  
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<220>  
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<210> 266  
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<220>  
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<400> 267  
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Thr Ala Ser Ile Thr Cys  
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<220>  
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<400> 268  
 Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
 5 10 15

<210> 269  
 <211> 32  
 <212> PRT  
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<220>  
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<400> 269

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Leu Thr Ile Ser Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys  
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<220>  
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<220>  
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ccaggaaggg ggctggagtg ggtctcagtt attggttcta gtggtggtac gacagtttac 180  
gcagactccg tgaagggccg gttcaccgtt tccagagaca attccaagaa cacgctgtat 240  
ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
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<220>  
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20 25 30  
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35 40 45  
Ser Val Ile Gly Ser Ser Gly Gly Thr Thr Val Tyr Ala Asp Ser Val  
50 55 60  
Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80  
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95  
Ala Arg Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
100 105 110  
Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120 125

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<400> 273  
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<210> 274  
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 <212> PRT  
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<220>  
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Gly

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<400> 275  
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 5 10 15

<210> 276  
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<220>  
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Ser Leu Arg Leu Ser Cys Ala Ala Ser His Asp Ala Phe Pro  
 20 25 30

<210> 277  
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<220>  
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<400> 277  
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<400> 278  
 Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
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 cagtcccctg tcctgggtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
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 accaagctga ccgtccta 318  
  
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 <400> 281  
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 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Ile Ser Ser Ser Trp Val  
                   20                  25                  30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                  40                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
                   50                  55                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
                   65                  70                  75                  80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
                   85                  90                  95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   100                  105  
  
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<220>

<223> Abet0371

<400> 282

Ser Gly His Asn Ile Ser Ser Ser Trp Val Ser  
5 10

<210> 283

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0371

<400> 283

Arg Asp Asp Lys Arg Pro Ser  
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<210> 284

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0371

<400> 284

Ser Ser Gln Asp Thr Val Thr Arg Val  
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<210> 285

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0371

<400> 285

Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
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Thr Ala Ser Ile Thr Cys  
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<211> 15

<212> PRT

<213> Homo sapiens

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<223> Abet0371

<400> 286

Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
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<210> 287

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0371

<400> 287

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

Leu Thr Ile Ser Gly Thr Gln Ala Thr Asp Glu Ala Asp Tyr Tyr Cys

20

25

30

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<220>  
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<400> 288  
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 ccagggaagg ggctggagtg ggtctcagtt attggttaagg ggatgaacaa cgtctcgtac 180  
 gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
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 gtcacccgtct cctca 375

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<400> 290  
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 Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Asp Met Phe Asn Ile Glu 30  
                   20                  25                  30  
 Thr Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val 45  
                   35                  40                  45  
 Ser Val Ile Gly Lys Gly Met Asn Asn Val Ser Tyr Ala Asp Ser Val 60  
                   50                  55                  60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr 80  
                   65                  70                  75                  80  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys 95  
                   85                  90                  95  
 Ala Arg Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met 110  
                   100                  105                  110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser 125  
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 <212> PRT  
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<220>  
 <223> Abet0372

<400> 291  
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<210> 292  
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 <212> PRT  
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<220>  
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<400> 292  
 Val Ile Gly Lys Gly Met Asn Asn Val Ser Tyr Ala Asp Ser Val Lys  
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Gly

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 <212> PRT  
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<220>  
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<400> 293  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Gly Met Asp Val  
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<210> 294  
 <211> 30  
 <212> PRT  
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<220>  
 <223> Abet0372

<400> 294  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Asp Met Phe Asn  
 20 25 30

<210> 295  
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<400> 295  
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<400> 296  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
 20 25 30

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 <212> PRT  
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<400> 297  
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 <212> DNA  
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 cagtccacctg tcctggatcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgacct ccaactctgg gcacactgcc actctgacca ttagcgggac ccaggctacg 240  
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 accaagctga ccgtccta 318

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 <212> PRT  
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<220>  
 <223> Abet0372

<400> 299  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
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 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
 20 25 30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
 35 40 45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
 50 55 60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
 65 70 75 80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
 85 90 95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

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 <212> PRT  
 <213> Homo sapiens

<220>  
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<400> 300  
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 <212> PRT  
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<400> 301  
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<210> 302  
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 <212> PRT  
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<220>  
 <223> Abet0372

<400> 302  
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<210> 303  
 <211> 22  
 <212> PRT  
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<220>  
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Thr Ala Ser Ile Thr Cys  
                   20

<210> 304  
 <211> 15  
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<220>  
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<400> 304  
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<210> 305  
 <211> 32  
 <212> PRT  
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<220>  
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<400> 305  
 Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
                   5                  10                  15

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

<210> 306

<211> 10  
 <212> PRT  
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<220>  
 <223> Abet0372

<400> 306  
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                   5                  10

<210> 307  
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 <212> DNA  
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<220>  
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 ccaggaaga ggctggagtg ggtctcagtt attggtagcg ggaagaccaa catcacctac 180  
 gcagactccg tgaagggccg gtttaccatc tccagagaca attccaagaa cacgctgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
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 gtcaccgtct cctca 375

<210> 308  
 <211> 125  
 <212> PRT  
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<220>  
 <223> Abet0373

<400> 308  
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 Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Asp Phe Glu Arg Ser  
                   20                  25                  30  
 Val Met Trp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val  
                   35                  40                  45  
 Ser Val Ile Gly Ser Gly Lys Thr Asn Ile Thr 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
                   100                  105                  110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   115                  120                  125

<210> 309  
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 <212> PRT  
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<220>  
 <223> Abet0373

<400> 309  
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<210> 310  
<211> 17  
<212> PRT  
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<220>  
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<400> 310  
Val Ile Gly Ser Gly Lys Thr Asn Ile Thr Tyr Ala Asp Ser Val Lys  
5 10 15

Gly

<210> 311  
<211> 16  
<212> PRT  
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<220>  
<223> Abet0373

<400> 311  
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<210> 312  
<211> 30  
<212> PRT  
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<220>  
<223> Abet0373

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

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Asp Phe Glu  
20 25 30

<210> 313  
<211> 14  
<212> PRT  
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<220>  
<223> Abet0373

<400> 313  
Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val Ser  
5 10

<210> 314  
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<212> PRT  
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<220>  
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<400> 314  
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
5 10 15

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

<210> 315  
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<220>  
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<220>  
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 cagtcacccc tcctgggtcat ctatcgagat gacaagcggc cctcagagat ccctgagcga 180  
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<220>  
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<400> 317  
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 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
 20 25 30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
 35 40 45  
 Arg Asp Asp Lys Arg Pro Ser Glu Ile Pro Glu Arg Phe Ser Ala Ser  
 50 55 60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
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 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
 85 90 95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

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<220>  
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Thr Ala Ser Ile Thr Cys  
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<400> 322  
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<220>  
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Leu Thr Ile Ser Gly Thr Gln Ala Thr Asp Glu Ala Asp Tyr Tyr Cys  
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&lt;223&gt; Abet0373

&lt;400&gt; 324

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&lt;210&gt; 325

&lt;211&gt; 375

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Abet0374

&lt;400&gt; 325

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 ccaggaaggg ggctagagtg ggtctcagtt attggtgacc agaaccacaa gaaggcctac 180  
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&lt;210&gt; 326

&lt;211&gt; 125

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Abet0374

&lt;400&gt; 326

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 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Gln Phe Lys Asp Thr  
                   20                  25                  30  
 Pro Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
                   35                  40                  45  
 Ser Val Ile Gly Asp Gln Asn His Lys Lys Ala 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
                   100                  105                  110  
 Asp Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   115                  120                  125

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&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Abet0374

&lt;400&gt; 327

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Gly

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<220>  
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Gln Phe Lys  
                   20                  25                  30

<210> 331  
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 <212> PRT  
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<220>  
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<210> 332  
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 <212> PRT  
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<220>  
 <223> Abet0374

<400> 332  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
                   20                  25                  30

<210> 333  
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<223> Abet0374

<400> 333

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
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<210> 334

<211> 318

<212> DNA

<213> Homo sapiens

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<223> Abet0374

<400> 334

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cagtcacctg tctgtgcat ctatcgagat gacaagcggc cctcaggat ccctgagcga 180  
ttctctgcct ccaactttgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
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<211> 106

<212> PRT

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<223> Abet0374

<400> 335

Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Thr Pro Gly Gln  
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20 25 30  
Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
35 40 45  
Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
50 55 60  
Asn Phe Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
65 70 75 80  
Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
85 90 95  
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105

<210> 336

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<400> 336

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Arg Asp Asp Lys Arg Pro Ser
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<400> 338
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<212> PRT
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<223> Abet0374

<400> 339
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Thr Ala Ser Ile Thr Cys
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<223> Abet0374

<400> 340
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr
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<213> Homo sapiens

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

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<220>
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<400> 342

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 ccagggaaag ggctggagtg ggtctcagtt attggtgtgg ggaccaagaa catcgctac 180  
 gcagacaccc tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
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 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Phe Asn Glu Gln  
                   20                  25                  30  
 Thr Leu Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
                   35                  40                  45  
 Ser Val Ile Gly Val Gly Thr Lys Asn Ile Ala Tyr Ala Asp Thr 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
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<220>

<223> Abet0377

<400> 346

Val Ile Gly Val Gly Thr Lys Asn Ile Ala Tyr Ala Asp Thr Val Lys  
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Gly

<210> 347

<211> 16

<212> PRT

<213> Homo sapiens

<220>

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<400> 347

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<210> 348

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0377

<400> 348

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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Phe Asn  
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<210> 349

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0377

<400> 349

Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
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<210> 350

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<212> PRT

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<220>

<223> Abet0377

<400> 350

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
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<210> 351

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0377

<400> 351  
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 cagtcccctg tcctggtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgcca ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
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 accaagctga ccgtccta 318

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<220>  
 <223> Abet0377

<400> 353  
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 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Thr Glu His Lys Trp Ile  
                   20                  25                  30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                  40                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Thr  
                   50                  55                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
                   65                  70                  75                  80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
                   85                  90                  95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
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<210> 354  
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<220>  
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<400> 354  
 Ser Gly His Asn Thr Glu His Lys Trp Ile Ser  
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<223> Abet0377

<400> 355  
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<210> 356  
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<220>  
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<400> 356  
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<210> 357  
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<400> 357  
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Thr Ala Ser Ile Thr Cys  
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<210> 358  
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<220>  
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<400> 358  
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
5 10 15

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

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<400> 360  
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<220>  
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 ccaggaaggg ggctggagtg ggtctcagtt attggtacca acaccgacaa cgtcgcctac 180  
 gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
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 <212> PRT  
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<220>  
 <223> Abet0378

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 Ile Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val 45  
 35 40  
 Ser Val Ile Gly Thr Asn Thr Asp Asn Val Ala Tyr Ala Asp Ser Val 60  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr 80  
 65 70 75  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys 95  
 85 90  
 Ala Arg Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met 110  
 100 105 110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser 125  
 115 120

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 <212> PRT  
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<220>  
 <223> Abet0378

<400> 363  
 Thr Asp Ile Met Trp 5

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 <211> 17  
 <212> PRT  
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<220>  
 <223> Abet0378



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Gly

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 <212> PRT  
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<220>  
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<400> 365  
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 <212> PRT  
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<220>  
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<400> 366  
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                   20                  25                  30

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<220>  
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<400> 367  
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<220>  
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<400> 368  
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                   20                  25                  30

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 20 25 30  
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 35 40 45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
 50 55 60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
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 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Ter Asp Thr Val Thr Arg Val  
 85 90 95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

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 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
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<210> 373  
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 Arg Asp Asp Lys Arg Pro Ser

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<210> 374  
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<400> 374  
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<210> 375  
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<220>  
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<400> 375  
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Thr Ala Ser Ile Thr Cys  
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<210> 376  
 <211> 15  
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<220>  
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<400> 376  
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 5 10 15

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<220>  
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<400> 377  
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 5 10 15

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

<210> 378  
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 <213> Homo sapiens

<220>  
 <223> Abet0378

<400> 378  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
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<210> 379  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 379  
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 tcctgtgcag cctctggatt cgactttgcc gagaagcctt tgtggtgggt ccgccaggct 120  
 ccaggggaga ggctggagtg ggtctcagtt attggtagca accagaacaa gaccgcctac 180  
 gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagga cacgctgtat 240  
 ctgcaaataa acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
 atggaccact cccgccccta ctactactac ggtatggaag tctgggggca ggggaccctg 360  
 gtcacggtct cctca 375

<210> 380  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 380  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Ala Glu Thr  
 20 25 30  
 Pro Leu Trp Trp Val Arg Gln Ala Pro Gly Glu Arg Leu Glu Trp Val  
 35 40 45  
 Ser Val Ile Gly Ser Asn Gln Asn Lys Thr Ala Tyr Ala Asp Ser Val  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asp 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
 100 105 110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 381  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 381  
 Glu Thr Pro Leu Trp  
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<210> 382  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 382  
 Val Ile Gly Ser Asn Gln Asn Lys Thr Ala Tyr Ala Asp Ser Val Lys  
 5 10 15

Gly

<210> 383  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 383  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
 5 10 15

<210> 384  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 384  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 5 10 15

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

<210> 385  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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<400> 385  
 Trp Val Arg Gln Ala Pro Gly Glu Arg Leu Glu Trp Val Ser  
 5 10

<210> 386  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 386  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asp Thr Leu Tyr Leu Gln  
 5 10 15

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

<210> 387  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 387  
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 5 10

<210> 388  
 <211> 318

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <223> Abet0379  
 <400> 388  
 cagagcgtct tgactcagcc accctcagtg tccgtgtccc caggacagac ggccagcatc 60  
 acctgctctg gacataactt ggaagataaa ttgcttcct ggtatcaaca gaagtcaggc 120  
 cagtcacctg tccctggcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgcct ccaactccgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
 gatggggctg actattactg tgcgaccag gacaacttca ctcgagtgtt cggcggaggg 300  
 accaagctga ccgtccta 318

<210> 389  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens  
 <220>  
 <223> Abet0379  
 <400> 389  
 Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
 5 10 15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
 20 25 30  
 Ser Trp Tyr Gln Gln Lys Ser Gly Gln Ser Pro Val Leu Val Ile Tyr  
 35 40 45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
 50 55 60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
 65 70 75 80  
 Asp Gly Ala Asp Tyr Tyr Cys Ala Thr Gln Asp Asn Phe Thr Arg Val  
 85 90 95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 100 105

<210> 390  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379  
 <400> 390  
 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
 5 10

<210> 391  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379  
 <400> 391  
 Arg Asp Asp Lys Arg Pro Ser  
 5

<210> 392

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

<220>  
 <223> Abet0379

<400> 392  
 Ala Thr Gln Asp Asn Phe Thr Arg Val  
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<210> 393  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 393  
 Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
 5 10 15

Thr Ala Ser Ile Thr Cys  
 20

<210> 394  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 394  
 Trp Tyr Gln Gln Lys Ser Gly Gln Ser Pro Val Leu Val Ile Tyr  
 5 10 15

<210> 395  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 395  
 Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
 5 10 15

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

<210> 396  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0379

<400> 396  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 5 10

<210> 397  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0380

## 88

<400> 397  
gaggtgcagc tgttgagtc tgggggaggc ttggtacagc ctggggggtc cctgagactc 60  
tcctgtgcag cctctatggg caacttcaac taccagacta tgtggtgggt ccgccaggct 120  
ccagggaggg ggctggagtg ggtctcagtt attggttaaga ccaacgagaa catcgcttac 180  
gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
ctgcaaataa acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
atggaccact cccgccccta ctactactac ggtatggacg tctgggggca ggggaccctg 360  
gtcaccgctc cctca 375

<210> 398  
<211> 125  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0380

<400> 398  
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly 15  
5 10  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Met Gly Asn Phe Asn Tyr Gln 30  
20 25  
Thr Met Trp Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Val 45  
35 40  
Ser Val Ile Gly Lys Thr Asn Glu Asn Ile Ala Tyr Ala Asp Ser Val 60  
50 55 60  
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr 80  
65 70 75  
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys 95  
85 90  
Ala Arg Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met 110  
100 105  
Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser 125  
115 120

<210> 399  
<211> 5  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0380

<400> 399  
Tyr Gln Thr Met Trp 5

<210> 400  
<211> 17  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0380

<400> 400  
Val Ile Gly Lys Thr Asn Glu Asn Ile Ala Tyr Ala Asp Ser Val Lys 15  
5 10

Gly



<210> 401  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0380

<400> 401  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
                   5                  10                  15

<210> 402  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0380

<400> 402  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Met Gly Asn Phe Asn  
                   20                  25                  30

<210> 403  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0380

<400> 403  
 Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Val Ser  
                   5                  10

<210> 404  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0380

<400> 404  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
                   5                  10                  15

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

<210> 405  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0380

<400> 405  
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   5                  10

<210> 406  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Abet0380

<400> 406

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acctgctctg gacataactt ggaagataaa ttgcttcct ggtatcaaca gaagccaggc      120
cagtcacctg tcctggatcat ctatcgagat gacaagcggc cctcagggat ccctgagcga      180
ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg      240
gatgaggctg actattactg ttctgtccag gacacgggtga ctcgagtgtt cggcggaggg      300
accaagctga ccgtccta                                     318
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<210> 407

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0380

<400> 407

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

Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala
      20                                25                                30

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

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

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

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

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
      100                                105
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<210> 408

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0380

<400> 408

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Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser
      5                                10
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<210> 409

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0380

<400> 409

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Arg Asp Asp Lys Arg Pro Ser
      5
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<210> 410

<211> 9

<212> PRT

<213> Homo sapiens

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<220>
<223>  Abet0380

<400>  410
Ser Ser Gln Asp Thr Val Thr Arg Val
      5

<210>  411
<211>  22
<212>  PRT
<213>  Homo sapiens

<220>
<223>  Abet0380

<400>  411
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
      5              10              15

Thr Ala Ser Ile Thr Cys
      20

<210>  412
<211>  15
<212>  PRT
<213>  Homo sapiens

<220>
<223>  Abet0380

<400>  412
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr
      5              10              15

<210>  413
<211>  32
<212>  PRT
<213>  Homo sapiens

<220>
<223>  Abet0380

<400>  413
Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr
      5              10              15

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

<210>  414
<211>  10
<212>  PRT
<213>  Homo sapiens

<220>
<223>  Abet0380

<400>  414
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
      5              10

<210>  415
<211>  375
<212>  DNA
<213>  Homo sapiens

<220>
<223>  Abet0381

<400>  415
gaggtgcagc tgttgagtc tgggggaggc ttggtacagc ctggggggtc cttgagactc      60
tcctgtgcag cctcttcccc gtcgttcccc cgggagacca tgtggtgggt ccgccaggct      120

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ccaggaagg ggcttgagtg ggtctcagtt attggtaccc agccgaaccg cttgaogtac    180
gcagactcog tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat    240
ctgcaaataa acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg    300
atggaccact cccgcccta ctactactac ggtatagacg tctgggggca ggggaccctg    360
gtcaccgtct ccca                                                    375

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<210> 416
<211> 125
<212> PRT
<213> Homo sapiens

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<220>
<223> Abet0381

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<400> 416
Glu Val Gln Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
          5              10              15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Pro Ser Phe Pro Arg Glu
          20              25              30

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

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

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

```

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<210> 417
<211> 5
<212> PRT
<213> Homo sapiens

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<220>
<223> Abet0381

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<400> 417
Arg Glu Thr Met Trp
          5

```

```

<210> 418
<211> 17
<212> PRT
<213> Homo sapiens

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```

<220>
<223> Abet0381

```

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<400> 418
Val Ile Gly Thr Gln Pro Asn Arg Leu Thr Tyr Ala Asp Ser Val Lys
          5              10              15

```

Gly

```

<210> 419
<211> 16
<212> PRT

```

```

<213> Homo sapiens

<220>
<223> Abet0381

<400> 419
Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Ile Asp Val
      5                      10                      15

<210> 420
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0381

<400> 420
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
      5                      10                      15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Pro Ser Phe Pro
      20                      25                      30

<210> 421
<211> 14
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0381

<400> 421
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
      5                      10

<210> 422
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0381

<400> 422
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
      5                      10                      15

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

<210> 423
<211> 11
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0381

<400> 423
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Pro
      5                      10

<210> 424
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Abet0381

<400> 424
tcgtacgagt tgactcagcc accctcagtg tccgcgtccc caggacagac ggccagcatc

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acctgctctg gacataactt ggaagataaa tttgtttcct ggtatcaaca gaagccaggc 120
cagtccccctg tcctgggtcat ctatcgagat gacaagcgac cctcagggat ccctgagcga 180
ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240
gatgaggcta actattactg ttctgtcccag gacacgggtga ctcgagcggt cggcggaggg 300
accaagctga ccgtccta 318

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<210> 425
<211> 106
<212> PRT
<213> Homo sapiens

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<220>
<223> Abet0381

```

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<400> 425
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Ala Ser Pro Gly Gln
      5              10              15

Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Val
      20              25              30

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

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

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

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

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

```

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<210> 426
<211> 11
<212> PRT
<213> Homo sapiens

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```

<220>
<223> Abet0381

```

```

<400> 426
Ser Gly His Asn Leu Glu Asp Lys Phe Val Ser
      5              10

```

```

<210> 427
<211> 7
<212> PRT
<213> Homo sapiens

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<220>
<223> Abet0381

```

```

<400> 427
Arg Asp Asp Lys Arg Pro Ser
      5

```

```

<210> 428
<211> 9
<212> PRT
<213> Homo sapiens

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<220>
<223> Abet0381

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<400> 428

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Ser Ser Gln Asp Thr Val Thr Arg Ala  
5

<210> 429  
<211> 22  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0381

<400> 429  
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Ala Ser Pro Gly Gln  
5 10 15

Thr Ala Ser Ile Thr Cys  
20

<210> 430  
<211> 15  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0381

<400> 430  
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
5 10 15

<210> 431  
<211> 32  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0381

<400> 431  
Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
5 10 15

Leu Thr Ile Ser Gly Thr Gln Ala Thr Asp Glu Ala Asn Tyr Tyr Cys  
20 25 30

<210> 432  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0381

<400> 432  
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
5 10

<210> 433  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Abet0382

<400> 433  
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tcctgtgcag cctctggatt ccactttacc aactccatca tgtggtgggt ccgccaggct 120  
ccaggaaggg ggctggagtg ggtctcagtt attggtagcg aggcgcaccg cgtaacgtac 180  
gcagactcgg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
 atggaccact cccgcccta ctactactac ggtatggaag tctgggggca ggggaccctg 360  
 gtcacogtct cctca 375

<210> 434  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 434  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe His Phe Thr Asn Ser  
                   20                  25                  30  
 Ile Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
                   35                  40                  45  
 Ser Val Ile Gly Ser Glu Ala His Arg Val Thr 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
                   100                  105                  110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   115                  120                  125

<210> 435  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 435  
 Asn Ser Ile Met Trp  
                   5

<210> 436  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 436  
 Val Ile Gly Ser Glu Ala His Arg Val Thr Tyr Ala Asp Ser Val Lys  
                   5                  10                  15

Gly

<210> 437  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382



<400> 437  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
                   5                  10                  15

<210> 438  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 438  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15

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

<210> 439  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 439  
 Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
                   5                  10

<210> 440  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 440  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
                   5                  10                  15

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

<210> 441  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 441  
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   5                  10

<210> 442  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 442  
 tcgtacgagt tgattcagcc accctcagtg tccgtgtccc caggacagac agccagcatc 60  
 acctgctctg gacataactt ggaagataaa ttgcttcct ggtatcaaca gaagccaggc 120  
 cagtccccctg tctgtgtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180

ttctctgcc ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctacg 240  
 gatgaggctg actattactg ttctgtcccag gactcgggtga ctcgagtgtt cggcggaggg 300  
 accaagctga cgcgccta 318

<210> 443  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 443  
 Ser Tyr Glu Leu Ile Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                                  10                                  15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
                   20                                  25                                  30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                                  40                                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Thr  
                   50                                  55                                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
                   65                                  70                                  75                                  80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Ser Val Thr Arg Val  
                   85                                  90                                  95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   100                                  105

<210> 444  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 444  
 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
                   5                                  10

<210> 445  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 445  
 Arg Asp Asp Lys Arg Pro Ser  
                   5

<210> 446  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 446  
 Ser Ser Gln Asp Ser Val Thr Arg Val  
                   5

<210> 447  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 447  
 Ser Tyr Glu Leu Ile Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                  10                  15

Thr Ala Ser Ile Thr Cys  
                   20

<210> 448  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 448  
 Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   5                  10                  15

<210> 449  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 449  
 Gly Ile Pro Glu Arg Phe Ser Ala Thr Asn Ser Gly His Thr Ala Thr  
                   5                  10                  15

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

<210> 450  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382

<400> 450  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   5                  10

<210> 451  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0383

<400> 451  
 gaggtgcagc tgttggagtc cgggggaggc ttggtacagc ctgggggggc cctgaaactc 60  
 tcctgtgcag cctctggatt cacttttgac tggtaaccga tgtggtgggt ccgccaggct 120  
 ccaggaaga ggctggagtg gatctcagtt attggtgcgg acaacgcaa gatcgcttac 180  
 gcagactccg tgaagggccg gtttaccatc tccagagaca attccaagaa cagcgtgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
 atgggccact cccgcccta ctactactac ggtatggaag tctgggggca ggggaccccg 360

gtcacggtct cctca

375

<210> 452  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0383

<400> 452  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15  
 Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Trp Tyr  
                   20                  25                  30  
 Pro Met Trp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile  
                   35                  40                  45  
 Ser Val Ile Gly Ala Asp Asn Ala Lys Ile Ala 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 Glu Trp Met Gly His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
                   100                  105                  110  
 Asp Val Trp Gly Gln Gly Thr Pro Val Thr Val Ser Ser  
                   115                  120                  125

<210> 453  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0383

<400> 453  
 Trp Tyr Pro Met Trp  
                   5

<210> 454  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0383

<400> 454  
 Val Ile Gly Ala Asp Asn Ala Lys Ile Ala Tyr Ala Asp Ser Val Lys  
                   5                  10                  15

Gly

<210> 455  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0383

<400> 455  
 Glu Trp Met Gly His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
                   5                  10                  15

<210> 456  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0383

<400> 456  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15  
 Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp  
           20                  25                  30

<210> 457  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0383

<400> 457  
 Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile Ser  
                   5                  10

<210> 458  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0383

<400> 458  
 Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
                   5                  10                  15  
 Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
           20                  25                  30

<210> 459  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0383

<400> 459  
 Trp Gly Gln Gly Thr Pro Val Thr Val Ser Ser  
                   5                  10

<210> 460  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Abet0383

<400> 460  
 tcgtacgagt tgactcagcc accctcagta tccgtgtccc caggacagac ggccagcatc 60  
 acctgctctg gagataaactt gggagataaa tttgcttcct ggtatcaaca gaagccaggc 120  
 cagtccoctg tcctggatcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180  
 ttctctgcct ccaactctgg gcacactgcc actctgacca ttagcgggac ccaggctacg 240  
 gatgaggctg actattactg ttctgccag gacacgggtga ctcgagtgtt cggcggaggg 300

accaagctga ccgtcctg

318

<210> 461  
<211> 106  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0383

<400> 461  
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
5 10 15  
Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Gly Asp Lys Phe Ala  
20 25 30  
Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
35 40 45  
Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
50 55 60  
Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Thr  
65 70 75 80  
Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
85 90 95  
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
100 105

<210> 462  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0383

<400> 462  
Ser Gly His Asn Leu Gly Asp Lys Phe Ala Ser  
5 10

<210> 463  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0383

<400> 463  
Arg Asp Asp Lys Arg Pro Ser  
5

<210> 464  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0383

<400> 464  
Ser Ser Gln Asp Thr Val Thr Arg Val  
5

<210> 465  
<211> 22  
<212> PRT  
<213> Homo sapiens

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<220>
<223> Abet0383

<400> 465
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
      5                      10                      15

Thr Ala Ser Ile Thr Cys
      20

<210> 466
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0383

<400> 466
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr
      5                      10                      15

<210> 467
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0383

<400> 467
Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr
      5                      10                      15

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

<210> 468
<211> 10
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0383

<400> 468
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
      5                      10

<210> 469
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<223> Abet0343-GL

<400> 469
gagggtgcagc tgttgaggatc tgggggaggc ttggtacagc ctgggggggtc cctgagactc      60
tcctgtgcagc cctctggatt caactttaac caccaggtga tgtggtgggt ccgccaggct      120
ccaggaaggg ggctggagtg ggtctcagtt attggttaaga ccaacgagaa catcgcttac      180
gcagactcgg tgaagggcgg gttcaccatc tcagagaca attccaagaa cacgctgtat      240
ctgcaaataa acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg      300
atggaccact ctgccccta ctactactac ggtatggacg tctgggggca ggggaccctg      360
gtcaccgtct cctca                                         375

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<210> 470  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343-GL

<400> 470  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Phe Asn His Gln  
                   20                  25                  30  
 Val Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
                   35                  40                  45  
 Ser Val Ile Gly Lys Thr Asn Glu Asn Ile Ala 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
                   100                  105                  110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   115                  120                  125

<210> 471  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343-GL

<400> 471  
 His Gln Val Met Trp  
                   5

<210> 472  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343-GL

<400> 472  
 Val Ile Gly Lys Thr Asn Glu Asn Ile Ala Tyr Ala Asp Ser Val Lys  
                   5                  10                  15

Gly

<210> 473  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343-GL

<400> 473  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
                   5                  10                  15

<210> 474  
 <211> 30



<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0343-GL

<400> 474  
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Phe Asn  
20 25 30

<210> 475  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0343-GL

<400> 475  
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
5 10

<210> 476  
<211> 32  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0343-GL

<400> 476  
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
5 10 15  
Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
20 25 30

<210> 477  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0343-GL

<400> 477  
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
5 10

<210> 478  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Abet0343-GL

<400> 478  
tcgtacgagt tgactcagcc accctcagtg tccgtgtccc caggacagac ggccagcatc 60  
acctgctctg gacataactt ggaagataaa ttgtcttcot ggtatcaaca gaagccaggc 120  
cagtcacctg tccgtgtcat ctatcgagat gacaagggc cctcagggat ccctgagcga 180  
ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctatg 240  
gatgaggctg actattactg ttctgtccag gacacgggtga ctcgagtgtt cggcggaggg 300  
accaagctga ccgtccta 318

<210> 479  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343-GL

<400> 479  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                  10                  15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
                   20                  25                  30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                  40                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
                   50                  55                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Met  
                   65                  70                  75                  80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
                   85                  90                  95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   100                  105

<210> 480  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343-GL

<400> 480  
 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
                   5                  10

<210> 481  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343-GL

<400> 481  
 Arg Asp Asp Lys Arg Pro Ser  
                   5

<210> 482  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343-GL

<400> 482  
 Ser Ser Gln Asp Thr Val Thr Arg Val  
                   5

<210> 483  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0343-GL

## 107

<400> 483  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                  10                  15  
  
 Thr Ala Ser Ile Thr Cys  
                   20  
  
 <210> 484  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <223> Abet0343-GL  
  
 <400> 484  
 Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   5                  10                  15  
  
 <210> 485  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <223> Abet0343-GL  
  
 <400> 485  
 Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
                   5                  10                  15  
  
 Leu Thr Ile Ser Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys  
                   20                  25                  30  
  
 <210> 486  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <223> Abet0343-GL  
  
 <400> 486  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   5                  10  
  
 <210> 487  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Abet0369-GL  
  
 <400> 487  
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 tcctgtgcag cctcttcggt ccagatctcg aagaacacta tgtggtgggt ccgccaggct 120  
 ccaggaaggg ggctggagtg ggtctcagtt attggttaagg acgagaccgg cttcaactac 180  
 gcagactccg tgaagggcgg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
 ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
 atggaccact cccgcccccta ctactactac ggtatggacg totgggggca ggggaccctg 360  
 gtcaccgtct cctca 375  
  
 <210> 488  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

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<220>
<223>  Abet0369-GL

<400>  488
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
      5              10              15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Phe Gln Ile Ser Lys Asn
      20              25              30

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

Ser Val Ile Gly Lys Asp Glu Thr Arg Phe Asn 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met
      100             105             110

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

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<210>  489
<211>  5
<212>  PRT
<213>  Homo sapiens

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<220>
<223>  Abet0369-GL

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<400>  489
Lys Asn Thr Met Trp
      5

```

```

<210>  490
<211>  17
<212>  PRT
<213>  Homo sapiens

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<220>
<223>  Abet0369-GL

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<400>  490
Val Ile Gly Lys Asp Glu Thr Arg Phe Asn Tyr Ala Asp Ser Val Lys
      5              10              15

```

Gly

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<210>  491
<211>  16
<212>  PRT
<213>  Homo sapiens

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<220>
<223>  Abet0369-GL

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```

<400>  491
Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val
      5              10              15

```

```

<210>  492
<211>  30
<212>  PRT
<213>  Homo sapiens

```

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<220>

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<223> Abet0369-GL

<400> 492

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ser Phe Gln Ile Ser  
20 25 30

<210> 493

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0369-GL

<400> 493

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

<210> 494

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0369-GL

<400> 494

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

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

<210> 495

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<223> Abet0369-GL

<400> 495

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

<210> 496

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> Abet0369-GL

<400> 496

tcgtacgagt tgactcagcc accctcagtg tccgtgtccc caggacagac ggccagcatc 60

acctgtctgt gacgtaacat cggggacagc tgggtcgcgt ggtatcaaca gaagccaggc 120

cagtccoctgt tctgtgtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga 180

ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggotatg 240

gatgaggctg actattactg ttctgtccag gacacgggtga ctcgagtgtt cggcggaggg 300

accaagctga ccgtccta 318

<210> 497

<211> 106

<212> PRT

<213> Homo sapiens

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<220>
<223>  Abet0369-GL

<400>  497
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
          5              10              15

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

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

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

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

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

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

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<210>  498
<211>  11
<212>  PRT
<213>  Homo sapiens

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<220>
<223>  Abet0369-GL

<400>  498
Ser Gly Arg Asn Ile Gly Asp Ser Trp Val Ala
          5              10

```

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<210>  499
<211>  7
<212>  PRT
<213>  Homo sapiens

```

```

<220>
<223>  Abet0369-GL

<400>  499
Arg Asp Asp Lys Arg Pro Ser
          5

```

```

<210>  500
<211>  9
<212>  PRT
<213>  Homo sapiens

```

```

<220>
<223>  Abet0369-GL

<400>  500
Ser Ser Gln Asp Thr Val Thr Arg Val
          5

```

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<210>  501
<211>  22
<212>  PRT
<213>  Homo sapiens

```

```

<220>
<223>  Abet0369-GL

<400>  501
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
          5              10              15

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Thr Ala Ser Ile Thr Cys  
20

<210> 502  
<211> 15  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0369-GL

<400> 502  
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
5 10 15

<210> 503  
<211> 32  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0369-GL

<400> 503  
Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
5 10 15

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

<210> 504  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0369-GL

<400> 504  
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
5 10

<210> 505  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Abet0377-GL

<400> 505  
gagggtgcagc tgttgaggatc tgggggagggc ttggtacagc ctgggggggtc cctgagactc 60  
tcctgtgcag cctctggatt caactttaac gagcagaccc tctggtgggt ccgccaagcc 120  
ccagggaaag ggctggagtg ggtctcagtt attggtgtgg ggaccaagaa catcgcttac 180  
gcagacacog tgaaggggccg gttcaccatc tccagagaca attccaagaa cacgctgtat 240  
ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtgg 300  
atggaccact cccgccccta ctactactac ggtatggacg tctgggggaca ggggaccctg 360  
gtcacogtct cctca 375

<210> 506  
<211> 125  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0377-GL

## 112

<400> 506  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
                   5                  10                  15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Phe Asn Glu Gln  
                   20                  25                  30  
 Thr Leu Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
                   35                  40                  45  
 Ser Val Ile Gly Val Gly Thr Lys Asn Ile Ala Tyr Ala Asp Thr 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
                   100                  105                  110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                   115                  120                  125

<210> 507  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0377-GL

<400> 507  
 Glu Gln Thr Leu Trp  
                   5

<210> 508  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0377-GL

<400> 508  
 Val Ile Gly Val Gly Thr Lys Asn Ile Ala Tyr Ala Asp Thr Val Lys  
                   5                  10                  15

Gly

<210> 509  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0377-GL

<400> 509  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
                   5                  10                  15

<210> 510  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0377-GL

<400> 510  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly



## 113

```

                5                10                15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Phe Asn
      20                25                30

<210> 511
<211> 14
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0377-GL

<400> 511
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
      5                10

<210> 512
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0377-GL

<400> 512
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
      5                10                15

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

<210> 513
<211> 11
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0377-GL

<400> 513
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
      5                10

<210> 514
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Abet0377-GL

<400> 514
tcgtacgagt tgactcagcc accctcagtg tccgtgtccc caggacagac ggccagcatc      60
acctgctctg gacataaacac cgagcacaag tggatctcgt ggtatcaaca gaagccaggc      120
cagtcccttg tcttggtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga      180
ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctatg      240
gatgaggctg actattactg ttcgtcccag gacacgggtga ctcgagtgtt cggcggaggg      300
accaagctga ccgtccta                                     318

<210> 515
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0377-GL

```

## 114

<400> 515  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                                  10                                  15  
 Thr Ala Ser Ile Thr Cys Ser Gly His Asn Thr Glu His Lys Trp Ile  
                   20                                  25                                  30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                                  40                                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
                   50                                  55                                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Met  
                   65                                  70                                  75                                  80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
                                   85                                  90                                  95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   100                                  105

<210> 516  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0377-GL

<400> 516  
 Ser Gly His Asn Thr Glu His Lys Trp Ile Ser  
                   5                                  10

<210> 517  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0377-GL

<400> 517  
 Arg Asp Asp Lys Arg Pro Ser  
                   5

<210> 518  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0377-GL

<400> 518  
 Ser Ser Gln Asp Thr Val Thr Arg Val  
                   5

<210> 519  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0377-GL

<400> 519  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                                  10                                  15  
 Thr Ala Ser Ile Thr Cys  
                   20

```
<210> 520
<211> 15
<212> PRT
<213> Homo sapiens
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<220>  
<223> Abet0377-GL

<400> 520  
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
5 10 15

```
<210> 521
<211> 32
<212> PRT
<213> Homo sapiens
```

<220>  
<223> Abet0377-GL

```

<400>      521
Gly Ile  Pro  Glu  Arg  Phe  Ser  Ala  Ser  Asn  Ser  Gly  His  Thr  Ala  Thr
              5              10              15
Leu  Thr  Ile  Ser  Gly  Thr  Gln  Ala  Met  Asp  Glu  Ala  Asp  Tyr  Cys
              20              25              30

```

```
<210> 522
<211> 10
<212> PRT
<213> Homo sapiens
```

<220>  
<223> Abet0377-GL

```
<400> 522
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
          5                      10
```

```
<210> 523
<211> 375
<212> DNA
<213> Homo sapiens
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<220>  
<223> Abet0380-GL

<400>	523	
gagggtgcagc	tgttggaatc	60
tggggggaggc	ttggtacagc	
ctgggggggtc	cctgagactc	
tcctgtgcag	cctctatggg	120
caacttcaac	taccagacta	
tgtggtgggt	ccgccaggct	
ccagggaagg	ggctggagtg	180
ggtctcagtt	attggtgaag	
ccaacgagaa	catcgcttac	
gcagactcgg	tgaagggcgg	240
gttcaccatc	tccagagaca	
attccaagaa	cacgctgtat	
ctgcaaatga	acagcctgag	300
agccgaggac	acggccgtgt	
attactgtgc	gagagagtgg	
atggaccact	cccgccccta	360
ctactactac	ggtatggacg	
tctgggggca	ggggaccctg	
gtcaccgtct	cctca	375

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<210> 524
<211> 125
<212> PRT
<213> Homo sapiens
```

<220>  
<223> Abet0380-GL

<400> 524  
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
5 10 15

## 116

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

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

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

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

<210> 525  
<211> 5  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0380-GL

<400> 525  
Tyr Gln Thr Met Trp  
5

<210> 526  
<211> 17  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0380-GL

<400> 526  
Val Ile Gly Lys Thr Asn Glu Asn Ile Ala Tyr Ala Asp Ser Val Lys  
5 10 15

Gly

<210> 527  
<211> 16  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0380-GL

<400> 527  
Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
5 10 15

<210> 528  
<211> 30  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Abet0380-GL

<400> 528  
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Met Gly Asn Phe Asn  
20 25 30

```
<210> 529
<211> 14
<212> PRT
<213> Homo sapiens
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<220>  
<223> Abet0380-GL

<400> 529  
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser  
5 10

```
<210> 530
<211> 32
<212> PRT
<213> Homo sapiens
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<220>  
<223> Abet0380-GL

<400> 530  
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln  
5 10 15

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

```
<210> 531
<211> 11
<212> PRT
<213> Homo sapiens
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<220>  
<223> Abet0380-GL

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<400>      531
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
              5              10

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```
<210> 532
<211> 318
<212> DNA
<213> Homo sapiens
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<220>  
<223> Abet0380-GL

<400>	532					
tcgtacgagt	tgactcagcc	accctcagtg	tccgtgtccc	caggacagac	ggccagcatc	60
acctgctctg	gacataactt	ggaagataaa	tttgcttcct	ggtatcaaca	gaagccaggc	120
cagtcccctg	tcctgggtcat	ctatcgagat	gacaagcggc	cctcagggat	ccctgagcga	180
ttctctgcct	ccaactctgg	gcacactgcc	actctgacca	tcagcgggac	ccaggctatg	240
gatgaggctg	actattactg	ttcgtcccag	gacacggtga	ctcgagtgtt	cggcggaggg	300
accaagctga	ccgtccta					318

```
<210> 533
<211> 106
<212> PRT
<213> Homo sapiens
```

<220>  
<223> Abet0380-GL

<400> 533  
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
5 10 15

## 118

Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala  
                   20                                  25                                  30  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   35                                  40                                  45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
                   50                                  55                                  60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Met  
                   65                                  70                                  75                                  80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
                   85                                  90                                  95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   100                                  105

<210> 534  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0380-GL

<400> 534  
 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
                   5                                  10

<210> 535  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0380-GL

<400> 535  
 Arg Asp Asp Lys Arg Pro Ser  
                   5

<210> 536  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0380-GL

<400> 536  
 Ser Ser Gln Asp Thr Val Thr Arg Val  
                   5

<210> 537  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0380-GL

<400> 537  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                   5                                  10                                  15

Thr Ala Ser Ile Thr Cys  
                   20

<210> 538  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

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<220>
<223> Abet0380-GL

<400> 538
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr
          5              10              15

<210> 539
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0380-GL

<400> 539
Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr
          5              10              15

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

<210> 540
<211> 10
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0380-GL

<400> 540
Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
          5              10

<210> 541
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<223> Abet0382-GL

<400> 541
gagggtgcagc tgttgaggatc tgggggagggc ttggtacagc ctgggggggtc cctgaggctc      60
tcctgtgcagc cctctggatt ccactttacc aactccatca tgtggtgggt ccgccaggct      120
ccaggaaggg ggctggagtg ggtctcagtt attggtagcg aggcgcaccg cgtcacgtac      180
gcagactcgg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat      240
ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc gagagagtg      300
atggaccact cccgccccta ctactactac ggtatggacg tctgggggca ggggaccctg      360
gtcacgtctt cctca      375

<210> 542
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0382-GL

<400> 542
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
          5              10              15

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

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

```

## 120

35                      40                      45  
 Ser Val Ile Gly Ser Glu Ala His Arg Val Thr 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 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met  
 100                      105                      110  
 Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
 115                      120                      125

<210> 543  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 543  
 Asn Ser Ile Met Trp  
 5

<210> 544  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 544  
 Val Ile Gly Ser Glu Ala His Arg Val Thr Tyr Ala Asp Ser Val Lys  
 5                      10                      15

Gly

<210> 545  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 545  
 Glu Trp Met Asp His Ser Arg Pro Tyr Tyr Tyr Tyr Gly Met Asp Val  
 5                      10                      15

<210> 546  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 546  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 5                      10                      15

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

<210> 547  
 <211> 14



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<212> PRT
<213> Homo sapiens

<220>
<223> Abet0382-GL

<400> 547
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
          5                      10

<210> 548
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0382-GL

<400> 548
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
          5                      10                      15

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

<210> 549
<211> 11
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0382-GL

<400> 549
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
          5                      10

<210> 550
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Abet0382-GL

<400> 550
tcgtacgagt tgactcagcc accctcagtg tccgtgtccc caggacagac ggccagcatc        60
acctgctctg gacataactt ggaagataaa tttgcttcct ggtatcaaca gaagccaggc        120
cagtcccctg tctgtggtcat ctatcgagat gacaagcggc cctcagggat ccctgagcga        180
ttctctgcct ccaactctgg gcacactgcc actctgacca tcagcgggac ccaggctatg        240
gatgaggctg actattactg ttcgtcccag gacacgggtga ctcgagtgtt cggcggaggg        300
accaagctga ccgtccta                                     318

<210> 551
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<223> Abet0382-GL

<400> 551
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
          5                      10                      15

Thr Ala Ser Ile Thr Cys Ser Gly His Asn Leu Glu Asp Lys Phe Ala
          20                      25                      30

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

```

## 122

35                      40                      45  
 Arg Asp Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser  
     50                      55                      60  
 Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Met  
     65                      70                      75                      80  
 Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Gln Asp Thr Val Thr Arg Val  
                     85                      90                      95  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                     100                      105

<210> 552  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 552  
 Ser Gly His Asn Leu Glu Asp Lys Phe Ala Ser  
                     5                      10

<210> 553  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 553  
 Arg Asp Asp Lys Arg Pro Ser  
                     5

<210> 554  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 554  
 Ser Ser Gln Asp Thr Val Thr Arg Val  
                     5

<210> 555  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 555  
 Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln  
                     5                      10                      15

Thr Ala Ser Ile Thr Cys  
                     20

<210> 556  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 556  
 Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr  
                   5                                  10                                  15

<210> 557  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 557  
 Gly Ile Pro Glu Arg Phe Ser Ala Ser Asn Ser Gly His Thr Ala Thr  
                   5                                  10                                  15

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

<210> 558  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> Abet0382-GL

<400> 558  
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
                   5                                  10

**Sequences for Human A $\beta$ 1-42, human A $\beta$ 1-40, human A $\beta$ 17-42, human A $\beta$ 1-43, murine A $\beta$ 1-42 and truncates**

Biotinylated Human Amyloid Beta 1-42 peptide:

Biotin-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA (SEQ ID NO: 559)

Human Amyloid Beta 1-42 peptide:

DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA (SEQ ID NO: 560)

Biotinylated Human Amyloid Beta 1-40 peptide:

Biotin-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV (SEQ ID NO: 561)

Human Amyloid Beta 1-40 peptide:

DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV (SEQ ID NO: 562)

Murine Amyloid Beta 1-42 peptide:

DAEFGHDSGFVRRHQKLVFFAEDVGSNKGAIIGLMVGGVVIA (SEQ ID NO: 563)

Biotinylated Murine Amyloid Beta 1-42 peptide:

Biotin-DAEFGHDSGFVRRHQKLVFFAEDVGSNKGAIIGLMVGGVVIA (SEQ ID NO: 564)

Biotinylated-LC-Murine Amyloid Beta 1-42 peptide:

Biotin-(Linker Chain)-DAEFGHDSGFVRRHQKLVFFAEDVGSNKGAIIGLMVGGVVIA (SEQ ID NO: 565)

Murine Amyloid Beta 1-40 peptide:

DAEFGHDSGFVRRHQKLVFFAEDVGSNKGAIIGLMVGGVV (SEQ ID NO: 566)

Biotinylated-LC-Murine Amyloid Beta 1-40 peptide:

Biotin-(Linker Chain)-DAEFGHDSGFVRRHQKLVFFAEDVGSNKGAIIGLMVGGVV (SEQ ID NO: 567)

Biotinylated Scrambled Amyloid Beta 1-42 peptide:

Biotin-AIAEGDSHVLKEGAYMEIFDVQGHVFGGLIFRVVDLGSHNVA (SEQ ID NO: 568)

Human Amyloid Beta 1-43 peptide:

DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIAT (SEQ ID NO: 569)

Human Amyloid Beta 29-42 truncated peptide:  
KKKGAIIGLMVGGVVIA (SEQ ID NO: 570)

Human Amyloid Beta 29-40 truncated peptide:  
KKKGAIIGLMVGGVV (SEQ ID NO: 571)

Human Amyloid Beta 1-16 truncated peptide:  
DAEFRHDSGYEVHHQK (SEQ ID NO: 572)

Human Amyloid Beta 11-22 truncated peptide:  
EVRHQKLVFFAE (SEQ ID NO: 573)

Human Amyloid Beta 12-28 truncated peptide:  
VRHQKLVFFAEDVGSNK (SEQ ID NO: 574)

Human Amyloid Beta 17-42 truncated peptide:  
LVFFAEDVGSNKGAIIGLMVGGVVIA (SEQ ID NO: 575)

Human Amyloid Beta 11-42 truncated peptide:  
EVRHQKLVFFAEDVGSNKGAIIGLMVGGVVIA (SEQ ID NO: 576)

Human Amyloid Beta 3-42 truncated peptide:  
EFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA (SEQ ID NO: 577)