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<120> Treatment of thrombocytopenia

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<400> 59

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<210> 68

<211> 378

<212> DNA

<213> Homo Sapiens

<400> 68

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<211> 387

<212> DNA

<213> Homo Sapiens

<400> 69

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aaagggacca cggtcaccgt ctcgagt 387

<210> 70

<211> 387

<212> DNA

<213> Homo Sapiens

<400> 70

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caagggacca cggtcaccgt ctcgagt 387

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acaatgggtca ccgtctcgag t 381

<210> 74

<211> 375

<212> DNA

<213> Homo Sapiens

<400> 74

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gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240

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<210> 75

<211> 375

<212> DNA

<213> Homo Sapiens

<400> 75

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<211> 378

<212> DNA

<213> Homo Sapiens

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<210> 80

<211> 387

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<212> DNA

<213> Homo Sapiens

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<212> DNA

<213> Homo Sapiens

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<212> DNA

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<210> 87

<211> 387

<212> DNA

<213> Homo Sapiens

<400> 87

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<210> 88

<211> 381

<212> DNA

<213> Homo Sapiens

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<211> 387

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<213> Homo Sapiens

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ccaggcaagg ggctggagtg ggtggcagtt atatgggatg atggaagtaa taaatattat 180

gcagactccg tgaagggccg attcaccatc tcccagagaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgag agctgaggac acggctgtgt attactgtgc gagagattgg 300

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caagggacca cggtcaccgt ctcgagt 387

<210> 90

<211> 372

<212> DNA

<213> Homo Sapiens

<400> 90

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tcctgtgtag cctctggatt caccttcagt agctactgga tgcactgggt cgcgaagtt 120

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gcggactccg tgaagggccg attcaccatc tccagagaca acgccaagaa cacgctgtac 240

ctgcaaatga acagtctgag agccgaggac acggctgtgt attactgtgc aagagatccc 300

cgacgatttt tggagtgggc ccgctacggt atggacgtct ggggccgagg gaccacggtc 360

accgtctcga gt 372

<210> 91

<211> 654

<212> DNA

<213> Homo Sapiens

<400> 91

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ctctcctgca gggccagtca gagtgttagc agctacttag cctggtacca acagaaacgt 120

ggccagggtc ccaggctcct catctttaat gcatccaaca gggccactgg catcccagcc 180

aggttcagtg gcagtgggtc tgggacagac ttactctca ccatcagcag cctagagcct 240

gaagattttg cagtttatta ctgtcagcag cgtagcagct ggcctccgat gtacactttt 300

ggccagggga ccaagctgga gatcaaacga actgtggctg caccatctgt cttcatcttc 360



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ttctatccca gagaggccaa agtacagtgg aagggtggata acgccctcca atcgggtaac	480
tcccaggaga gtgtcacaga gcaggacagc aaggacagca cctacagcct cagcagcacc	540
ctgacgctga gcaaagcaga ctacgagaaa cacaaagtct acgcctgcga agtcacccat	600
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<210> 92  
 <211> 648  
 <212> DNA  
 <213> Homo Sapiens

<400> 92	
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gggaaagttc ctaagctcct catctatgct gcatccactt tgcaatcagg ggtcccatct	180
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gggaccaaag tggatatcaa acgaactgtg gctgcacat ctgtcttcat cttcccgcca	360
tctgatgagc agttgaaatc tggaactgcc tctgttgtgt gcctgctgaa taacttctat	420
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gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg	540
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<210> 93  
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 <212> DNA  
 <213> Homo Sapiens

<400> 93	
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cctggccagg ctcccaggct cctcatctat ggtgcatcca acagggccac tggcgtccca	180
gacaggttcg gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag	240
cctgaagatt ctgcagtgtg tttttgtcag caatatggaa cctcaccggg ggtcactttc	300
ggccaagggg cacgactgga aattgaacga actgtggctg caccatctgt cttcatcttc	360
ccgccatctg atgagcagtt gaaatctggg actgcctctg ttgtgtgcct gctgaataac	420
ttctatccca gagaggccaa agtacagtgg aagggtggata acgccctcca atcgggtaac	480
tcccaggaga gtgtcacaga gcaggacagc aaggacagca cctacagcct cagcagcacc	540

ctgacgctga gcaaagcaga ctacgagaaa cacaaagtct acgcctgcga agtcacccat 600  
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<210> 94  
 <211> 648  
 <212> DNA  
 <213> Homo Sapiens

<400> 94  
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 gggaaagtcc ctaagctcct catctatgct gcatccactt tgcaatcagg ggtcccatct 180  
 cggttcagtg gcggtggatc tgggacagat ttcactetca ccatcagcag cctgcagcct 240  
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 gggaccaaag tggatatcaa acgaactgtg gctgcacat ctgtcttcat cttcccgcca 360  
 tctgatgagc agttgaaatc tggaaactgcc tctgttgtgt gcctgctgaa taacttctat 420  
 cccagagagg ccaaagtaca gtggaagggtg gataacgcc tccaatcggg taactcccag 480  
 gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540  
 ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600  
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<210> 95  
 <211> 651  
 <212> DNA  
 <213> Homo Sapiens

<400> 95  
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 gggaaagccc ctaaactcct gatcttttct gcatccactt tgcaaagtgg ggtcccatca 180  
 aggttcagcg gcagtggatc tgggacagaa ttcactetca caatcagcag cctgcagcct 240  
 gaggattttg caacttatta ctgtcaacag cttagtagtt accctccgta cacttttggc 300  
 caggggacca agctggagat caaacgaact gtggctgcac catctgtctt catcttcccg 360  
 ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420  
 tatcccagag agggcaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480  
 caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcacctg 540  
 acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600  
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<210> 96  
 <211> 648  
 <212> DNA  
 <213> Homo Sapiens

<400> 96  
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 gggaaagccc ctaaactcct gatctttggt ttgtccaatt tggaggatgg ggtcccatca 180  
 aggttcagcg gcagtggatc tgcgacagac ttactctca ccatcaccgg cctgcagcct 240  
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 gggaccaggg tagagatcaa acgaactgtg gctgcacat ctgtcttcat cttcccgcca 360  
 tctgatgagc agttgaaatc tggaactgcc tctgttgtgt gcctgctgaa taacttctat 420  
 cccagagagg ccaaagtaca gtggaagggt gataacgccc tccaatcggg taactcccag 480  
 gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540  
 ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600  
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<210> 97  
 <211> 654  
 <212> DNA  
 <213> Homo Sapiens

<400> 97  
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 cctggccagg ctcccaggct tctcatctat gctgcatcca ccagggccac cggcatccca 180  
 gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcga cagactggag 240  
 cctgaagatt ctgcagtgtg ttactgtcag gtctatggta gctcacctct gtacactttt 300  
 ggccagggga ccaagggtga gatgaaacga actgtggctg caccatctgt cttcatcttc 360  
 ccgccatctg atgagcagtt gaaatctgga actgcctctg ttgtgtgcct gctgaataac 420  
 ttctatccca gagaggccaa agtacagtgg aagggtggata acgccctcca atcgggtaac 480  
 tcccaggaga gtgtcacaga gcaggacagc aaggacagca cctacagcct cagcagcacc 540  
 ctgacgctga gcaaagcaga ctacagaaaa cacaaagtct acgcctgcga agtcacccat 600  
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<210> 98  
 <211> 654  
 <212> DNA  
 <213> Homo Sapiens

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<400> 98
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ggccaggctc ccaggctcct catctatggt gcatccacca gggccactgg tatcccagcc 180
aggttcagtg gcagtgggtc tgggacagag ttactctca ccatcagcag cctgcagtct 240
gaagattttg cagtttatta ctgtcagcag tataataact ggccgaccct gtacactttt 300
ggccagggga ccaagctgga gatcaaacga actgtggctg caccatctgt cttcatcttc 360
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ttctatccca gagaggccaa agtacagtgg aagggtgata acgcccctca atcgggtaac 480
tcccaggaga gtgtcacaga gcaggacagc aaggacagca cctacagcct cagcagcacc 540
ctgacgctga gcaaagcaga ctacgagaaa cacaaagtct acgcctgcga agtcacccat 600
cagggcctga gctcgcccgt cacaagagc ttcaacaggg gagagtgtta ataa 654

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<210> 99
<211> 648
<212> DNA
<213> Homo Sapiens

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<400> 99
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atcacttgcc gggcaagtca gagcattagc agctatttaa attggtatca gcagaaacca 120
ggggaagccc ccaaactcct gatctatggt gcatccactt tgcaaagtgg ggccccatca 180
aggttcagtg gcagtggatc tgggacagat tacactctaa ccattagcag tctgcaacct 240
gaagattctg caactttcta ctgtcaacag acttacagtc ccccttacac ttttggccag 300
ggaaccaagc tggagatcaa acgaactgtg gctgcacat ctgtcttcat cttcccgcca 360
tctgatgagc agttgaaatc tggaactgcc tctgttgtgt gcctgctgaa taacttctat 420
cccagagagg ccaaagtaca gtggaagggtg gataacgcc tccaatcggg taactcccag 480
gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540
ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600
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<210> 100
<211> 657
<212> DNA
<213> Homo Sapiens

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<400> 100
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ctctcctgca gggccagtca aagtgttact agcagatact tagcctggta ccagcagaaa 120

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catggccagg ctcccaggct cctcatctat ggtacatcca cgagggccac tggcatccca 180
gacaggttca gtggcggagg gtctcagaca gacttcactc tcaccatcag cagactggag 240
cctgaagatt ttgcagtgtg ttattgtcag cactatgatg actcaatttc gacgtacatt 300
tttggcccgg ggaccgagct ggagatcaag cgaactgtgg ctgcaccatc tgtcttcac 360
ttcccgccat ctgatgagca gttgaaatct ggaactgcct ctgttgtgtg cctgctgaat 420
aacttctatc ccagagaggc caaagtacag tggaagggtg ataacgcct ccaatcgggt 480
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accctgacgc tgagcaaagc agactacgag aaacacaaag tctacgcctg cgaagtcacc 600
catcagggcc tgagctcgcc cgtcacaaag agcttcaaca ggggagagtg ttaataa 657

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<210> 101
<211> 648
<212> DNA
<213> Homo Sapiens

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<400> 101
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atcacttgct gggcgagtca ggggtattaac aacttattag cctgggtatca gcagaaacca 120
gggaaagccc ctaagctcct gatctacgct gcatccaatt tgcaaagtgg ggtcccatcg 180
aggttcagcg gcagtggatc tgggacagat ttactctca ctatcaacag cctgcagcct 240
gaagattttg caacctacta ttgtcaacag gctaacagtt tccctctcac tttcggcgga 300
gggaccaagg tggagatcaa acgaactgtg gctgcacat ctgtcttcat cttcccgcc 360
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gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540
ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600
ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gttaataa 648

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<210> 102
<211> 651
<212> DNA
<213> Homo Sapiens

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<400> 102
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atcacttgcc gggcaagtca gagcattagc agctatttaa attgggtatca gcagaatcca 120
gggaaagccc ctaagctcct gatctatggt gcatccaatt tgcaaagtgg ggtcccatca 180
aggttcagtg gcagtggatc tgggacagat ttactctca ccatcagcag tctgcaacct 240

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gaagattttg	caacttacta	ctgtcaacag	agttacagta	ccctcgcgct	cactttcggc	300
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ccatctgatg	agcagttgaa	atctggaact	gcctctgttg	tgtgcctgct	gaataacttc	420
tatcccagag	aggccaaagt	acagtggaag	gtggataacg	ccctccaatc	gggtaactcc	480
caggagagtg	tcacagagca	ggacagcaag	gacagcacct	acagcctcag	cagcaccctg	540
acgctgagca	aagcagacta	cgagaaacac	aaagtctacg	cctgcgaagt	cacccatcag	600
ggcctgagct	cgcccgtcac	aaagagcttc	aacaggggag	agtgttaata	a	651

<210> 103  
 <211> 651  
 <212> DNA  
 <213> Homo Sapiens

<400> 103	
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gggaaagccc	ctaagctcct gatctatgct gcatccactt tgcaaagtgg ggtcccatca 180
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caggagagtg	tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccctg 540
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ggcctgagct	cgcccgtcac aaagagcttc aacaggggag agtgttaata a 651

<210> 104  
 <211> 645  
 <212> DNA  
 <213> Homo Sapiens

<400> 104	
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atcacttgcc	gggcaagtca gaacattaac aggtatttaa attggtatca gcacaaacca 120
gggagagccc	ctgagctcct gatctatgct gcgtccactt tacgaagggg ggtcccatca 180
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actaaggtgg	aatcaaacg aactgtggct gcaccatctg tcttcatctt cccgccatct 360
gatgagcagt	tgaaatctgg aactgcctct gttgtgtgcc tgctgaataa cttctatccc 420

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agagaggcca aagtacagtg gaaggtggat aacgccctcc aatcgggtaa ctcccaggag 480
agtgtcacag agcaggacag caaggacagc acctacagcc tcagcagcac cctgacgctg 540
agcaaagcag actacgagaa acacaaagtc tacgcctgcg aagtcaccca tcagggcctg 600
agctcgcccc tcacaaagag cttcaacagg ggagagtgtt aataa 645

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<210> 105
<211> 651
<212> DNA
<213> Homo Sapiens

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<400> 105
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atcacttgcc gggcaagtca gagcattagc acctatttaa attggtatca gcagaaacca 120
gggaaagccc ctaagctcct gatctatgct gcatccactt tgcaaagtgg ggtcccatca 180
aggttcagtg gcagtggatc tgggacacat ttcactctca ccatcagcag tctgcaacgt 240
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caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccttg 540
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600
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<210> 106
<211> 657
<212> DNA
<213> Homo Sapiens

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<400> 106
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aaacctggac aagcacccag ggcactgatt tatagtacaa gcaagaaaca ctccctggacc 180
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ataagtgact tctaccggg agcogtgaca gtggcctgga aggcagatag cagccccgtc 480
aaggcgggag tggagaccac cacaccctcc aaacaaagca acaacaagta cgcgccagc 540

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agctacctga gcctgacgcc tgagcagtgg aagtcccaca aaagctacag ctgccaggtc 600

acgcatgaag ggagcaccgt ggagaagaca gtggccccta cagaatgttc ataataa 657

<210> 107

<211> 651

<212> DNA

<213> Homo Sapiens

<400> 107

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atcacttgcc gggcaagtca gagcattggc aactatttaa attggtatca gcagaaacca 120

ggaaaagccc ctaagctcct gatctctgct gcatccagtt tgcaaagtgg ggtcccgtca 180

aggttcagtg gcagtggatc tgggacagat ttactctca ccatcagcag tctgcatcgt 240

gaagactatg caacttacta ctgtcaacag agttacagta ccccccgta cacttttggc 300

caggggacca agctggagat caaacgaact gtggctgcac catctgtctt catcttcccg 360

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caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccctg 540

acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600

ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

<210> 108

<211> 651

<212> DNA

<213> Homo Sapiens

<400> 108

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atcacttgcc gggcaagtca gagcattagc agctatttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatgct gcatccagtt tgcaaagtgg ggtcccatca 180

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ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420

tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480

caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccctg 540

acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600

ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651



<210> 109  
 <211> 648  
 <212> DNA  
 <213> Homo Sapiens

<400> 109  
 gacatccagt tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc 60  
 atcacttgcc gggcaagtca gagcattagc agctatttaa attggtatca gcagaaacca 120  
 gggaaagccc ctaagctcct gatctatgct gcatccagtt tgcaaagtgg ggtcccatca 180  
 aggttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240  
 gaagattttg caacttacta ctgtcaacag agttacagta cctcgtggac gttcggccaa 300  
 gggaccaagg tggaaatcaa acgaactgtg gctgcaccat ctgtcttcat cttcccgcca 360  
 tctgatgagc agttgaaatc tggaactgcc tctgttgtgt gcctgctgaa taacttctat 420  
 cccagagagg ccaaagtaca gtggaaggtg gataacgccc tccaatcggg taactcccag 480  
 gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540  
 ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600  
 ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gttaataa 648

<210> 110  
 <211> 654  
 <212> DNA  
 <213> Homo Sapiens

<400> 110  
 gaaatttgtt tgacgcagtc tccagccacc ctgtctgtgt ctccagggga aagagccacc 60  
 ctctcctgca gggccagtca gagtgttacc agcaacttag cctggtacca gcagaaacct 120  
 ggccaggctc ccaggctcct catctatggg gcatccacca gggccactgg tgtcccagcc 180  
 aggttcagtg gcagtgggtc tgggacagag ttcagtctca ccatcagcag cctgcagtct 240  
 gaagattttg cagtttatta ctgtcagcag tataataact ggcctcccat attcactttc 300  
 ggccctggga ccaaactgga tatcaaacga actgtggctg caccatctgt cttcatcttc 360  
 ccgccatctg atgagcagtt gaaatctgga actgcctctg ttgtgtgcct gctgaataac 420  
 ttctatccca gagaggccaa agtacagtgg aagggtgata acgccctcca atcgggtaac 480  
 tcccaggaga gtgtcacaga gcaggacagc aaggacagca cctacagcct cagcagcacc 540  
 ctgacgctga gcaaagcaga ctacagaaaa cacaaagtct acgcctgcga agtcacccat 600  
 cagggcctga gctcgcccggt cacaaagagc ttcaacaggg gagagtgtta ataa 654

<210> 111  
 <211> 651  
 <212> DNA  
 <213> Homo Sapiens

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<400> 111
gaaattgtgc tgactcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc      60
ctctcctgca gggccagtca gagtggttagc agcagctact tagcctggta ccagcataaa      120
cctggccagg ctcccaggct cctcatctac ggttcatcca acagggccac tggcatccca      180
gacaggttca gtggcagtgg gtctgggaca gacttcactg tcaccatcag cagactggag      240
cctgaagatt ttgcagtgta ttactgtcag cagtatggta ctgcacccta cacttttggc      300
caggggacca agctggagat caaacgaact gtggctgcac catctgtctt catcttccccg      360
ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc      420
tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc      480
caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcacctg      540
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag      600
ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a              651

```

```

<210> 112
<211> 654
<212> DNA
<213> Homo Sapiens

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<400> 112
cagtctgccc tgactcagcc tgcctccgtg tctgggtctc ctggacagtc gatcaccatc      60
tcctgcactg caaccagcag tgatattggg gcttataact atgtctcctg gtaccaacac      120
caccaggtta aagcccccaa agtcatcatt actgatgtta ataagcggcc ctcaagggtc      180
cctgatcgct tctctggctc caagtctggc aacacggcct ccctgaccat ctcaaggctc      240
cagcctgagg atgaggctga gtattcctgc tgctcatatg caggcaccta cagttatgtc      300
ttcggaactg ggaccaaggt caccgtcctg agtcagccca aggccaaccc cactgtcact      360
ctgttccccg cctcctctga ggagctccaa gccacaagg ccacactagt gtgtctgatc      420
agtgacttct acccgggagc tgtgacagtg gcctggaagg cagatggcag ccccgtaag      480
gcgggagtg agaccaccaa accctccaaa cagagcaaca acaagtacgc ggccagcagc      540
tacctgagcc tgacgcccga gcagtggaag tcccacagaa gctacagctg ccaggtcacg      600
catgaaggga gcaccgtgga gaagacagtg gccctacag aatgttcata ataa              654

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<210> 113
<211> 654
<212> DNA
<213> Homo Sapiens

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<400> 113
ctttcttctg agctgactca ggaccctgct gtgtctgtgg ccttgggaca gacagtcagg      60
atcacatgcc aaggagacag cctcagaagt tattatgcaa actggtacca gcagaagcca      120

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ggacaggccc ctctatcagt catctatggt aaaaacaacc ggccctcagg gatcccggac 180
cgattctctg gctccaactc aggaaacaca gctttcttga ccatcactgg gactcaggcg 240
gaagatgagg ctgactatta ctgtaactcc cgggacagca gtggttaatta tcgggagcta 300
ttcggcgagg ggaccaagct gaccgtcctt ggtcagccca aggctgcccc ctcggtcact 360
ctgttccccg cctcctctga ggagcttcaa gccacaagc ccacactggg gtgtctcata 420
agtgacttct acccgggagc cgtgacagtg gcctggaagg cagatagcag ccccgtaag 480
gcgggagtg agaccaccac accctccaaa caaagcaaca acaagtacgc ggccagcagc 540
tatctgagcc tgacgcctga gcagtggaag tcccacagaa gctacagctg ccaggtcacg 600
catgaaggga gcaccgtgga gaagacagtg gccctgcag aatgctctta ataa 654

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<210> 114
<211> 651
<212> DNA
<213> Homo Sapiens

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<400> 114
gacatccagt tgaccagtc tccatccttc ctgtctgcat ctgtaggaga cagagtcacc 60
atcacttgcc gggccagtca tggcattagc agttatttag cctggatatca acagaaacca 120
gggaaagccc ctaacctcct gatctttcct gcatccactt tgcaaagtgg ggtcccgtca 180
agattcagcg gcagtggatc tgggacagaa ttcactctca caatcagcag cctgcggcct 240
gaagattttg caacttatta ctgtcaacaa cttaatagtt attccagggtg ggcgttcggc 300
caagggacca aggtggaagt caaacgaact gtggctgcac catctgtctt catcttcccg 360
ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420
tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480
caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcacctg 540
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600
ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

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<210> 115
<211> 651
<212> DNA
<213> Homo Sapiens

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```

<400> 115
gacatccaga tgaccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc 60
atcacttgct gggcaagtca gagcattagg aggtatttaa attggatatca gaagaaacca 120
gggaaagccc ctaagctcct gatctatgct gcatccagtt tgcaaagtgg ggtcccatca 180
aggttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240
gaagattttg caacttacta ctgtcaacag agttaccgta cccaaggctt cactttcggc 300

```

```

ggagggacca aggtggagat caaacgaact gtggctgcac catctgtctt catcttcccg 360
ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420
tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480
caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcacctcg 540
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600
ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

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<210> 116
<211> 657
<212> DNA
<213> Homo Sapiens

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<400> 116
caggctgtgg tgactcagga gccctcactg actgtgtccc caggagggac agtcactctc 60
acctgtgctt ccagcactgg agcagtcacc actgggttact atccaaactg gttccagcag 120
aaacctggac aagcaccag ggcactgggt catagtacaa gcaagaaaca ctcttgacc 180
cctgcccggg tctcaggctc cctccttggg ggcaaagctg ccctgacact gtcaggtgtg 240
cagcctgagg acgaggctga gtattactgc ctgctcttct atggtggtgc tcaactgggg 300
gtgttcggcg gagggaccaa actgaccgtc ctaggtcagc ccaaggctgc cccctcggtc 360
actctgttcc cgccctcctc tgaggagctt caagccaaca aggccacact ggtgtgtctc 420
ataagtgact tctaccggg agccgtgaca gtggcctgga aggcggatag cagccccgtc 480
aaggcgggag tggagaccac cacaccctcc aaacaaagca acaacaagta cgcgccagc 540
agctacctga gcctgacgcc tgagcagtgg aagtcccaca aaagctacag ctgccaggtc 600
acgcatgaag ggagcacctg ggagaagaca gtggcccctg cagaatgctc ttaataa 657

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<210> 117
<211> 657
<212> DNA
<213> Homo Sapiens

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<400> 117
caggctgtgg tgactcagga gccctcactg actgtgtccc caggagggac agtcactctc 60
acctgtgctt ccagcactgg atcagtcacc agtgggttact atccaaactg gttccagcag 120
aaacctggac aagcaccag gccactgatt tctggtacaa gcaacaaact ctcttgacc 180
cctgcccggg tctcaggctc cctccttggg ggcaaagctg ccctcacagt gtcaggtgtg 240
cagcctgagg acgaggctgt gtattactgc ctgctctact atggtgttcc tcagccagtg 300
gtattcggcg gagggaccaa gctgaccgtc ctaggtcagc ccaaggctgc cccctcggtc 360
actctgttcc cgccctcctc tgaggagctt caagccaaca aggccacact ggtgtgtctc 420

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ataagtgact	tctacccggg	agccgtgaca	gtggcctgga	aggcagatag	cagccccgtc	480
aaggcgggag	tggagaccac	cacaccctcc	aaacaaagca	acaacaagta	cgcgccagc	540
agctacctga	gcctgacgcc	tgagcagtgg	aagtcccaca	gaagctacag	ctgccaggtc	600
acgcatgaag	ggagcacccgt	ggagaagaca	gtggccccta	cagaatgttc	ataataa	657

<210> 118  
 <211> 651  
 <212> DNA  
 <213> Homo Sapiens

<400> 118						
gacatccagt	tgaccagtc	tccatcctcc	ctgtctgcat	ctgtaggaga	cagagtcacc	60
atcaacttgcc	gggcaagtca	gagcattagc	agctatttaa	attggtatca	gcagaaacca	120
ggaaaagccc	ctaagctcct	gatctctgct	gcattccagtt	tgcaaagtgg	ggtcccgtca	180
aggttcagtg	gcagtggatc	tgggacagat	ttcactctca	ccatcagcag	tctgcaacgt	240
gaagactatg	caacttacta	ctgtcaacag	agttacagta	cccccccgta	cacttttggc	300
caggggacca	agctggagat	caaacgaact	gtggctgcac	catctgtctt	catcttcccg	360
ccatctgatg	agcagttgaa	atctggaact	gcctctgttg	tgtgcctgct	gaataacttc	420
tatcccagag	aggccaaagt	acagtggaag	gtggataacg	ccctccaatc	gggtaactcc	480
caggagagtg	tcacagagca	ggacagcaag	gacagcacct	acagcctcag	cagcaccttg	540
acgctgagca	aagcagacta	cgagaaacac	aaagtctacg	cctgcgaagt	cacccatcag	600
ggcctgagct	cgcccgtcac	aaagagcttc	aacaggggag	agtgttaata	a	651

<210> 119  
 <211> 648  
 <212> DNA  
 <213> Homo Sapiens

<400> 119						
gacatccaga	tgaccagtc	tccttccacc	ctgtctgcat	ctgtaggaga	cagagtcacc	60
atcaacttgcc	gggccagtca	gagtattagc	agttggttgg	cctggtatca	acagaaacca	120
gggaaagccc	ctaagctcct	ggtctataag	acgtctagtt	tagaagggtg	ggtcccatcc	180
aggttcagcg	gcagtggatc	tgggacagaa	ttcagtctca	caatcttcag	actgcagtct	240
gatgattttg	caacttatta	ctgccaacag	tataatagtt	ttccgtacac	ctttggccag	300
gggaccaagc	tggagttcac	acgaactgtg	gctgcaccat	ctgtcttcat	cttcccgcc	360
tctgatgagc	agttgaaatc	tggaaactgcc	tctgttgtgt	gcctgctgaa	taacttctat	420
cccagagagg	ccaaagtaca	gtggaagggtg	gataacgccc	tccaatcggg	taactcccag	480
gagagtgtca	cagagcagga	cagcaaggac	agcacctaca	gcctcagcag	caccctgacg	540
ctgagcaaag	cagactacga	gaaacacaaa	gtctacgcct	gcgaagtcac	ccatcagggc	600

ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gttaataa 648

<210> 120

<211> 654

<212> DNA

<213> Homo Sapiens

<400> 120

gaaattgtgt tgacgcagtc tccagtcacc ctgtctttgt ctccagggga aagagccacc 60

ctctcctgta gggccagtca gagtggttagc agcggctact tagcctggta ccagcagaaa 120

cctggccagg ctcccaggct cctcatctat ggtacatcca tcagggccac tggcatccca 180

gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag 240

cctgaagatt ttgcagtgtg ttactgtcag cagtatggta gctcacctct atactctttt 300

ggccagggga ccaaggtgga catcaaacga actgtggctg caccatctgt cttcatcttc 360

ccgccatctg atgagcagtt gaaatctgga actgcctctg ttgtgtgcct gctgaataac 420

ttctatccca gagaggccaa agtacagtgg aaggtggata acgccctcca atcgggtaac 480

tcccaggaga gtgtcacaga gcaggacagc aaggacagca cctacagcct cagcagcacc 540

ctgacgctga gcaaagcaga ctacgagaaa cacaaagtct acgcctgcga agtcacccat 600

cagggcctga gctcgcccgt cacaaagagc ttcaacaggg gagagtgtta ataa 654

<210> 121

<211> 651

<212> DNA

<213> Homo Sapiens

<400> 121

gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagccacc 60

ctctcctgca gggccagtca gagtggttagc agcagctact tagcctggta ccagcagaaa 120

cctggccagg ctcccaggct cctcatctat ggtgcatcca gcagggccac tggcatccca 180

gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag 240

cctgaagatt ttgcagtgtg ttactgtcag cagtatggta gctcacggta cacttttggc 300

caggggacca agctggagat caaacgaact gtggctgcac catctgtctt catcttcccg 360

ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420

tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480

caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccctg 540

acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600

ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

<210> 122

<211> 648  
 <212> DNA  
 <213> Homo Sapiens

<400> 122  
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 attacttgcc ggtcaggta gggcattagg aactatttaa attggatatca gcagaaacct 120  
 gggaaagccc ctaaactcct gatctatgct gcgtcctttt tgcaaagtgg ggtcccatca 180  
 aggttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240  
 gaggattttg caacttaca ctgtcaacag agttacagt acccgaggac gttcggccaa 300  
 gggaccaagg tggaaatcaa acgaactgtg gctgcacat ctgtcttcat cttcccgcca 360  
 tctgatgagc agttgaaatc tggaaactgcc tctgtttgtg gcctgctgaa taacttctat 420  
 ccagagagg ccaaagtaca gtggaagggtg gataacgccc tccaatcggg taactccag 480  
 gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540  
 ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600  
 ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gttaataa 648

<210> 123  
 <211> 645  
 <212> DNA  
 <213> Homo Sapiens

<400> 123  
 gacatccaga tgaccagtc tccatcttcc ctgtctgcat ctgtaggaga cagagtcatt 60  
 atcaacttgcc gggcaagtca gagcggttaac aggtatttaa attggatatca gcagaaacca 120  
 gggaaagccc ctaaactcct catctatgct gcatccagtt tgcaagggtgg ggtcccatca 180  
 aggttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacgt 240  
 gaagattttg caacttacta ctgccaacag agttacagaa ctcggaaggtt cggccaaggg 300  
 accaagggtgg aaatcaaacy aactgtggct gcacatctg tcttcatctt cccgccatct 360  
 gatgagcagt tgaaatctgg aactgcctct gttgtgtgcc tgctgaataa cttctatccc 420  
 agagaggcca aagtacagt gaagggtgat aacgcctcc aatcgggtaa ctcccaggag 480  
 agtgtcacag agcaggacag caaggacagc acctacagcc tcagcagcac cctgacgctg 540  
 agcaaagcag actacgagaa acacaaagtc tacgcctgag aagtcaccca tcagggcctg 600  
 agctcgcccg tcacaaagag cttcaacagg ggagagtgtt aataa 645

<210> 124  
 <211> 648  
 <212> DNA  
 <213> Homo Sapiens

<400> 124

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gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga cggaatcacc      60
atcacttgcc gggcaagtca aagcgtagg agctatttaa attggtatca gcagaaacca      120
gggaaagccc ctgagctcct gatctatgct gcatcccgtt tgcaaagtgg ggtcccatca      180
aggttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcagcct      240
gaagattttg caacttacta ctgtcaacat agttacagta cccctgtcac gttcggccaa      300
gggaccaagg tggaagtcaa gcgaactgtg gctgcaccat ctgtcttcat cttcccgcga      360
tctgatgagc agttgaaatc tggaactgcc tctgttgtgt gcctgctgaa taacttctat      420
cccagagagg ccaaagtaca gtggaagggtg gataacgccc tccaatcggg taactcccag      480
gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg      540
ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc      600
ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gttaataa                  648

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<210> 125
<211> 651
<212> DNA
<213> Homo Sapiens

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<400> 125
ctttcttctg agctgactca ggaccctgct gtgtctgtga ccttgggaca gacggtcaga      60
atcacatgcc aaggagacag cctcagacac tcttatgcaa gctggtacca gcagaagcca      120
gggcaggctc ctatacttgt catctatggt aaaaacatcc ggccctcagg gatcccagac      180
cgattctctg gctccacctc ggggaacaca gcttccttga ccatcactgg ggctcaggcg      240
gaagatggcg gtgactatta ctgtaactcc cgggacacca gtactgacca ttatgtcttc      300
ggagatggga ccagggtcac cgtcgttaggt cagcccaagg ccaacccacac tgtcactctg      360
ttcccgccct cctctgagga gctccaagcc aacaaggcca cactagtgtg tctgatcagt      420
gacttctacc cgggagctgt gacagtggcc tggaaggcag atggcagccc cgtcaaggcg      480
ggagtggaga ccaccaaacc ctccaaacag agcaacaaca agtacgcggc cagcagctac      540
ctgagcctga cgcccgagca gtggaagtcc cacagaagct acagctgcca ggtcacgcac      600
gaagggagca ccgtggagaa gacagtggcc cctacagaat gttcataata a                  651

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<210> 126
<211> 651
<212> DNA
<213> Homo Sapiens

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<400> 126
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc      60
atcacttgcc gggcaagtca gagcattagc agctgggttaa attggtatca gcagaaacca      120
gggaaagccc ctaacctcct gatctttgct gcatccactt tgcaaagtgg ggtcccgtca      180

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aggttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240
gaagattttg caacttacta ctgtcaacag agttacagta gttctgtgta cacttttggc 300
caggggacca agctggagat caaacgaact gtggctgcac catctgtctt catcttcccg 360
ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420
tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480
caggagagcg tcacagagca ggacagcaag gacagcacct acagcctcag cagcacccctg 540
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600
ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

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<210> 127
<211> 648
<212> DNA
<213> Homo Sapiens

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<400> 127
gacatccaga tgaccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc 60
atcacttgcc gggcaagtca gagcattagc agctatttaa attggatatca gcagaaacca 120
gggaaagccc ctaagctcct gatctatgct gcatccagtt tgcaaagtgg ggtcccatca 180
aggttcagtg gcagtggatc tgggatagat ttcactctca ccatcagcag tctgcaacct 240
gaagattttg caacttacta ctgtcaacag agttacacta ccctctggac gttcggccaa 300
gggaccaagg tggaaatcaa acgaactgtg gctgcaccat ctgtcttcat cttcccgcc 360
tctgatgagc agttgaaatc tggaactgcc tctgttgtgt gcctgctgaa taacttctat 420
cccagagagg ccaaagtaca gtggaaggtg gataacgccc tccaatcggg taactcccag 480
gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540
ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600
ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gttaataa 648

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<210> 128
<211> 657
<212> DNA
<213> Homo Sapiens

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<400> 128
gaaattgtgc tgactcagtc tccaggcacc ctgtctttgt ctccaagga aagagccacc 60
ctctcctgca gggccaatca gtatgttaac agcaaccact tagcctggta ccagcagaaa 120
cctggccagg ctcccaggct cctcctttat ggtgcatcaa ggagggccac tggcatccca 180
gacagattca gtggcagtgg gactgggaca gacttcactc tcatcatcag cagactggag 240
cctgaagatt ttgccgtata tttctgtcag ctgtatgac actcacgtcc gatgtacact 300

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tttggccagg	ggactaagct	ggagatcaaa	cgaactgtgg	ctgcaccatc	tgtcttcac	360
ttccccccat	ctgatgagca	gttgaaatct	ggaactgcct	ctgttggtg	cctgctgaat	420
aacttctatc	ccagagaggc	caaagtacag	tggaaggtgg	ataacgccct	ccaatcgggt	480
aactcccagg	agagtgtcac	agagcaggac	agcaaggaca	gcacctacag	cctcagcagc	540
accctgacgc	tgagcaaagc	agactacgag	aaacacaaag	tctacgcctg	cgaagtcacc	600
catcagggcc	tgagctcgcc	cgtcacaaag	agcttcaaca	ggggagagtg	ttaataa	657

<210> 129  
 <211> 654  
 <212> DNA  
 <213> Homo Sapiens

<400> 129		
gaaattgtgc	tgactcagtc	tccaggcacc
ctctcctgca	gggccagtca	gagtttttagc
cctggccagg	ctcccaggct	cctcatctat
gacagggttca	gtggcagtgg	gtctggaaca
cctgaagatt	ttgcagtgtg	ttactgtcag
ggccaagggg	cacgactgga	gattaaacga
ccgccatctg	atgagcagtt	gaaatctgga
ttctatccca	gggaggccaa	agtacagtgg
tcccaggaga	gtgtcacaga	gcaggacagc
ctgacgctga	gcaaagcaga	ctacgagaaa
cagggcctga	gctcgcccgt	cacaaagagc
		ttcaacaggg
		gagagtgtta
		ataa
		654

<210> 130  
 <211> 651  
 <212> DNA  
 <213> Homo Sapiens

<400> 130		
gacatccaga	tgacccagtc	tccatcctcc
atcacttgcc	gggcaagtca	gagcattagc
gggaaagccc	ctaagctcct	gatctttgct
aggttcagtg	gcagtggatc	tgggacagat
gaagactttg	caacttacta	ctgtcaacag
ggagggacca	aggtggagat	caaacgaact
ccatctgatg	agcagttgaa	atctggaact
tatcccagag	aggccaaagt	acagtggaag
		gtggataacg
		ccctccaatc
		gggtaactcc
		480

```

caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccctg 540
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600
ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

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<210> 131
<211> 651
<212> DNA
<213> Homo Sapiens

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<400> 131
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atcacttgcc gggcaagtca gagcattagc agctatttaa attggtatca gcagaatcca 120
gggaaagccc ctaagctcct gatctatggt gcatccaatt tgcaaagtgg ggtcccatca 180
aggttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240
gaagattttg caacttacta ctgtcaacag agttacagta ccctcgcgct cactttcggc 300
ggagggacca aggtggagat caaacgaact gtggctgcac catctgtctt catcttcccg 360
ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420
tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480
caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccctg 540
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600
ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

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<210> 132
<211> 651
<212> DNA
<213> Homo Sapiens

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<400> 132
gacatccaga tgaccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc 60
atcacttgcc gggcaagtca gagcattagc acctatttaa attggtatca gcagaaacca 120
ggaaaagccc ctaagctcct gatctctgct gcatccagtt tgcaaagtgg ggtcccgtca 180
aggttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacgt 240
gaagactatg cagcttacta ctgtcaacag agttacagta ccccccgta cacttttggc 300
caggggacca agctggagat caagcgaact gtggctgcac catctgtctt catcttcccg 360
ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420
tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480
caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccctg 540
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600

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ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

<210> 133  
 <211> 657  
 <212> DNA  
 <213> Homo Sapiens

<400> 133  
 caggctgtgg tgactcagga gccctcactg actgtgtccc caggagggag agtcactctc 60  
 acctgtgctt ccagcactgg agcagtcacc actgggttact atccaaactg gttccagcag 120  
 aaacctggac aagcaccag ggcactgatt tatagtacaa gcaagaaaca ctctggacc 180  
 cctgcccggg tctcaggctc cctccttggg ggcaaagctg ccctgacact gtcaggtgtg 240  
 cagcctgagg acgaggctga gtattactgc ctgctcttct atgggtggtgc tcagctgggg 300  
 gtgttcggcg gagggaccaa gctgaccgtc ctaggtcagc ccaaggctgc cccctcggtc 360  
 actctgttcc cgccctcctc tgaggagctt caagccaaca aggccacact ggtgtgtctc 420  
 ataagtgact tctaccggg agccgtgaca gtggcctgga aggcagatag cagccccgtc 480  
 aaggcgggag tggagaccac cacaccctcc aaacaaagca acaacaagta cgcgccagc 540  
 agctacctga gcctgacgcc tgagcagtgg aagtcccaca aaagctacag ctgccaggtc 600  
 acgcatgaag ggagcacctg ggagaagaca gtggccccta cagaatgttc ataataa 657

<210> 134  
 <211> 654  
 <212> DNA  
 <213> Homo Sapiens

<400> 134  
 cagactgtgg tgaccagga gccatcggtc tcagtgtccc ctggagggag ggtcacactc 60  
 acttgtggct tgagctctgg ctcagtctct gctcggttact accccagctg gtaccagcag 120  
 accccaggcc agcctccag cacgtcctc cacagcaca atactcggtc ttctgggggtc 180  
 cctgatcgct tctctgggtc catccttggg aacaaagctg ccctcaccat cacggggggc 240  
 caggcagatg atgaatctga ttattactgt gtgctgtata tgggtagtgg cccttgggtg 300  
 ttcgggcgag ggaccaagct gaccgtccta ggtcagccca aggctgcccc ctcggtcact 360  
 ctgttccac cctcctctga ggagcttcaa gccacaagg ccacactggg gtgtctcata 420  
 agtgacttct acccgggagc cgtgacagtg gcctggaagg cagatagcag ccccgtaag 480  
 gcgggagtgg agaccaccac accctccaaa caaagcaaca acaagtacgc ggccagcagc 540  
 tacctgagcc tgacgcctga gcagtggaag tcccacaaaa gctacagctg ccaggtcacg 600  
 catgaagga gcaccgtgga gaagacagtg gccctacag aatgttcata ataa 654

<210> 135  
 <211> 663

&lt;212&gt; DNA

&lt;213&gt; Homo Sapiens

&lt;400&gt; 135

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gatgtttgtga tgactcagtc tccactctcc ctgcccgtca cccctggaga gccggcctcc      60
atctcctgca ggtctagtca gagcctcctg cataggaatg gatacaacta tttgaattgg      120
tacctgcaga agccagggca gtctccacag ctctgatctt atttgggttc taatcggggc      180
tccgggggtcc ctgacaggtt cagtggcagt ggatcaggca cagattttac actgaaaatc      240
agcggagtggt aggctgagga tgttgcggtt tattactgca tgcaaggctt acgaactccg      300
tacactttcg gccaggggac caagctggag atcaagcgaa ctgtggctgc accatctgtc      360
ttcatcttcc cgccatctga tgagcagttg aaatctggaa ctgcctctgt tgtgtgcctg      420
ctgaataact tctatcccag agaggccaaa gtacagtggg aggtggataa cgccctccaa      480
tcgggtaact cccaggagag tgtcacagag caggacagca aggacagcac ctacagcctc      540
agcagcaccg tgacgctgag caaagcagac tacgagaaac acaaagtcta cgctgcgaa      600
gtcaccatc agggcctgag ctgcccgtc acaaagagct tcaacagggg agagtgttaa      660
taa                                                                 663

```

&lt;210&gt; 136

&lt;211&gt; 648

&lt;212&gt; DNA

&lt;213&gt; Homo Sapiens

&lt;400&gt; 136

```

gacatccagt tgaccagtc tccatctctc ctgtctgcat ctgtaggaga cagagtcacc      60
atcacttgcc gggcaagtca gagtatcagc agctatttaa attggtataa gcagagacca      120
gggaaagccc ctaagctcct gatctatgct gcatccactt tgcagagtgg ggtcccatca      180
aggttcagtg gcagtggatc tgggacagat ttgctctca ccatcagcag tctgcaagct      240
gaagattttg caacttacta ctgtcaacag acttacagta ccctttggac gttcggccaa      300
gggaccaagg tggaaatcac acgaactgtg gctgcacat ctgtcttcat cttcccgcca      360
tctgatgagc agttgaaatc tggaactgcc tctgttgtgt gcctgctgaa taacttctat      420
cccagagagg ccaaagtaca gtggaagggt gataacgccc tccaatcggg taactcccag      480
gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg      540
ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc      600
ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gttaataa                648

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&lt;210&gt; 137

&lt;211&gt; 651

&lt;212&gt; DNA

&lt;213&gt; Homo Sapiens

<400> 137  
gaaattgtgt tgacacagtc tccaggtacc ttgtctctgt ctccagggga aacagccacc 60  
ctgtcctgca gggccagtca gagtgctcagt gatcgcgact tggcctggta tcaacaaaag 120  
tctggccagt ctcccagact tctcatgtat ggtggatcca ccagggcccc tggataaccg 180  
gtcaggttca gtggcagtgg gtctgggaca gagttcactc tcaccatcag cagcctgcag 240  
tctgaagatt ttgcaattta ttactgtcaa cactatcatg actggcctcc gaccttcggc 300  
caagggacac gactggagat taaacgaact gtggctgcac catctgtctt catcttcccc 360  
ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420  
tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480  
caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcacctg 540  
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600  
ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

<210> 138  
<211> 648  
<212> DNA  
<213> Homo Sapiens

<400> 138  
gacatccaga tgaccagtc tccatcctcc ctgtctgcat ctttaggggg cacggtcacc 60  
ctcacttgcc ggtcaagtca gttcattagt cgctatttaa attggtatca acaacaccca 120  
gggaaagtcc ctagactcct catttctggc gcatcaagat tgcaaagggg ggtcccgtca 180  
aggttcactg gcggcgggtc tgggacagac ttcacactca ccataaagaa tgtacagcct 240  
gacgatattg caacatactt ctgtcagcac tcttacagaa gtgggcgggc gttcggccaa 300  
gggaccacgg tggaggtgaa acgaactgtg gctgcacat ctgtcttcat cttcccgcca 360  
tctgatgagc agttgaaatc tggaactgcc tccgttgtgt gcctgctgaa taacttctat 420  
cccagagagg ccaaagtaca gtggaaggtg gataacgcc tccaatcggg taactcccag 480  
gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540  
ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600  
ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gtttaataa 648

<210> 139  
<211> 651  
<212> DNA  
<213> Homo Sapiens

<400> 139  
gaaattgtgt tgacgcagtc tccaggcagc ctgtctttgt ctccagggga aagagccacc 60  
ctctcctgca gggccagtca gagtgtttagc agcagctact tagcctggta ccagcagaaa 120

```

cctggccagg ctcccaggct cctcatctat ggtccatcca gcagggccac tggcatcca 180
gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag 240
cctgaagatt ttgcagtgta ttactgtcag catttttgga actcacgggg aacgttcggc 300
caagggacca aggtggaaat cagacgaact gtggctgcac catctgtctt catcttccc 360
ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420
tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480
caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcacctg 540
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600
ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

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<210> 140
<211> 654
<212> DNA
<213> Homo Sapiens

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<400> 140
gaaattgtgt tgacgcagtc tccaggcacc ctgtctttgt ctccagggga aagagtcaca 60
ctctcctgca ggcccagtcg gtatattgcc agcgactact tagcctggta ccaactaaga 120
cctggccagg ctccc aaact cctcatctat ggtgcctcca gcagggccac tggcatcca 180
gacaggttca gtggcggttg gtctccgaca gacttcactc tcaccatcag cagactggag 240
cctgaagatt ttgcgatgta ttactgtcac tattctgggtg gctcacctcc gtaccctttt 300
ggccagggga ccaggctgga catcaaacga actgtggctg caccatctgt cttcatcttc 360
ccgccatctg atgagcagtt gaaatctgga actgcctctg ttgtgtgcct gctgaataac 420
ttctatccca gagaggccaa agtacagtgg aagggtgata acgccctcca atcgggtaac 480
tcccaggaga gtgtcacaga gcaggacagc aaggacagca cctacagcct cagcagcacc 540
ctgacgctga gcaaagcaga ctacagaaaa cacaaagtct acgcctgcga agtcacccat 600
cagggcctga gctcgcccgt cacaaagagc ttcaacaggg gagagtgtta ataa 654

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<210> 141
<211> 648
<212> DNA
<213> Homo Sapiens

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<400> 141
gacatccagt tgaccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc 60
atcacttgcc gggcaagtca gtacattaac gtctacttaa attggtatca gcacaaagca 120
gggagagccc ctaagctcct gatctatgct gcatccaatt tgcaaagtgg ggtcccacca 180
aggttcattg gcagtggatc tgggacagat ttactctta ccatcagcag tctgcaatct 240
gaagatttcg caacttacta ctgtctccag agtttctactg tccctcggac tttcggccct 300

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gggaccaaag tggatgtcaa acgaactgtg gctgcaccat ctgtcttcat cttcccgcca 360
tctgatgagc agttgaaatc tggaactgcc tctgtttgtgt gcctgctgaa taacttctat 420
cccagagagg ccaaagtaca gtggaaggtg gataacgccc tccaatcggg taactcccag 480
gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540
ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600
ctgagctcgc ccgtcacaaa gagcttcaac aggggagagt gttaataa 648

```

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<210> 142
<211> 651
<212> DNA
<213> Homo Sapiens

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```

<400> 142
gaaattgtgt tgacacagtc tccaggcacc ctgtctttgt ctccagggga gagagccacc 60
ctctcctgca gggccagtca gagtgttagc agcgccttct tagcctggta ccagcagaaa 120
cctggccagg ctcccagact cctcatctat ggtgcctcca gcagggccac tggcatccca 180
gacaggttca gtggcagtgg gtctgggaca gacttcactc tcaccatcag cagactggag 240
cctgaagatt ttgcagtgtg ttactgtcag cagtatggca gcttttcgat caccttcggc 300
caagggacac gactggagat taaacgaact gtggctgcac catctgtctt catcttcccg 360
ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420
tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480
caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccctg 540
acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600
ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

```

```

<210> 143
<211> 657
<212> DNA
<213> Homo Sapiens

```

```

<400> 143
cagactgtgg tgaccaggga gccctcactg actgtgtccc caggagggac agtcactctc 60
acctgtgctt ccagcactgg agcagtcacc agtggttact atccaaactg gttccagcag 120
aaacctggac aagcaccag ggcactgatt tatagtacaa gcaacaaaca ctcttgacc 180
cctgcccggg tctcaggctc cctccttggg ggcaaagctg ccctgacact gtcagggtgtg 240
cagcctgagg acgaggctga gtattactgc ctgctctact atgggtggtgc tcagcgttgg 300
gtgttcggcg gagggacat cctgaccgtc ctaggtcagc ccaaggctgc cccctcggtc 360
actctgttcc cgccctcctc tgaggagctt caagccaaca aggccacact ggtgtgtctc 420

```



ataagtgact	tctacccggg	agccgtgaca	gtggcctgga	aggcagatag	cagccccgtc	480
aaggcgggag	tggagaccac	cacaccctcc	aaacaaagca	acaacaagta	cgcgccagc	540
agctacctga	gcctgacgcc	tgagcagtgg	aagtcccaca	aaagctacag	ctgccaggtc	600
acgcatgaag	ggagcacctg	ggagaagaca	gtggccccta	cagaatgttc	ataataa	657

<210> 144  
 <211> 657  
 <212> DNA  
 <213> Homo Sapiens

<400> 144						
cttaatttta	tgctgactca	gccccactct	gtgtcggagt	ctccggggaa	gacggtaacc	60
atctcctgca	cccgcagcag	tggcagcatt	gccagcaact	atatgcagtg	gtaccagcag	120
cgccccggga	gttccccac	cactgtgatc	tatgaggata	atcggagacc	ctctggggtc	180
cctgatcgct	tctctggctc	catcgacagc	tcctccaact	ctgcctccct	caccatctct	240
ggactgaaga	ctgaggacga	ggctgactac	tactgtcagt	cttatgatag	taacaattgg	300
gtgttcggcg	gagggaccaa	gctgaccgtc	ctaggtcagc	ccaaggctgc	cccctcggtc	360
actctgttcc	cgccctcctc	tgaggagctt	caagccaaca	aggccacact	ggtgtgtctc	420
ataagtgact	tctacccggg	agccgtgaca	gtggcctgga	aggcagatag	cagccccgtc	480
aaggcgggag	tggagaccac	cacaccctcc	aaacaaagca	acaacaagta	cgcgccagc	540
agctacctga	gcctgacgcc	tgagcagtgg	aagtcccaca	aaagctacag	ctgccaggtc	600
acgcatgaag	ggagcacctg	ggagaagaca	gtggccccta	cagaatgttc	ataataa	657

<210> 145  
 <211> 651  
 <212> DNA  
 <213> Homo Sapiens

<400> 145						
gacatccaga	tgaccagtc	tccatcctcc	ctgtctgcat	ctgtaggaga	cagagtcacc	60
atcaacttgcc	gggcaagtca	gagcattagc	agctatttta	attggtatca	gcagaaacca	120
gggaaagccc	ctaagctcct	gatctatgct	gcatccactt	tgcaaagtgg	ggtcccatca	180
aggttcagtg	gcagtggatc	tgggacagat	ttcactctca	ccatcagcag	tctgcaacct	240
gaagattttg	caacttacta	ctgtcaacag	tattacagaa	cgcccacgtg	gacgttcggc	300
caagggacca	aggtggaaat	caaacgaact	gtggctgcac	catctgtctt	catcttcccg	360
ccatctgatg	agcagttgaa	atctggaact	gcctctgttg	tgtgcctgct	gaataacttc	420
tatcccagag	aggccaaagt	acagtggaag	gtggataacg	ccctccaatc	gggtaactcc	480
caggagagtg	tcacagagca	ggacagcaag	gacagcacct	acagcctcag	cagcaccttg	540
acgctgagca	aagcagacta	cgagaaacac	aaagtctacg	cctgcgaagt	cacccatcag	600

ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

<210> 146  
 <211> 651  
 <212> DNA  
 <213> Homo Sapiens

<400> 146  
 gaaattgtgt tgacgcagtc tccagccacc ctgtctgtgt ctccagggga aagagccacc 60  
 ctctcctgca gggccagtca gagtggttagc agcaacttag cctggtagca gcagaaacct 120  
 ggccaggctc ccaggctcct catctatggt gcatccacca gggccactgg tatcccagcc 180  
 aggttcagtg gcagtgggtc tgggacagag ttcactctca ccatcagcag cctgcagtct 240  
 gaagattttg cagttttatta ctgtcagcag tataataact ggccccggta cacttttggc 300  
 cagggggacca agctggagat caaacgaact gtggctgcac catctgtctt catcttcccg 360  
 ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc 420  
 tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc 480  
 caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccttg 540  
 acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt caccatcag 600  
 ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttaata a 651

<210> 147  
 <211> 127  
 <212> PRT  
 <213> Homo Sapiens

<400> 147

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

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

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

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

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

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

Ala Arg Asp Leu Tyr Gly Asp Tyr Asp Pro Lys Ser Tyr Tyr Tyr Tyr  
100 105 110

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

<210>	148
<211>	125
<212>	PRT
<213>	Homo Sapiens

<400> 148

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

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

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

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

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

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

Ala Arg Glu Ile Ser Met Lys Val Val Ile Arg Arg His Tyr Val Met  
100 105 110

Asp Val Trp Gly His Gly Thr Thr Val Thr Val Ser Ser  
115 120 125

<210>	149
<211>	127
<212>	PRT
<213>	Homo Sapiens

<400> 149

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

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

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

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

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

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

Ala Arg Asp Leu Tyr Gly Asp Tyr Asp Pro Lys Ser Tyr Tyr Tyr Tyr  
 100 105 110

Ala Met Asp Val Trp Gly His Gly Thr Thr Val Thr Val Ser Ser  
 115 120 125

<210> 150

<211> 125

<212> PRT

<213> Homo Sapiens

<400> 150

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

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

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

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

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

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

Ala Arg Glu Ile Thr Thr Thr Val Val Val Arg Arg His Tyr Leu Met  
 100 105 110

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

<210> 151  
 <211> 126  
 <212> PRT  
 <213> Homo Sapiens

<400> 151

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

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

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

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

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

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

Ala Arg Glu Glu Ile Ala Ala Arg Leu Tyr Ser Arg Tyr His Tyr Ala  
 100 105 110

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

<210> 152  
 <211> 125  
 <212> PRT  
 <213> Homo Sapiens

<400> 152

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

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

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

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

Arg Phe Ser Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu Tyr Leu Arg

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54

65                      70                      75                      80

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

Glu Ile Ala Phe Arg Gly Ser Thr Tyr Ser Arg Trp Ser Tyr Tyr Phe  
100 105 110

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

<210>	153
<211>	128
<212>	PRT
<213>	Homo Sapiens

<400> 153

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

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

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

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

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

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

Arg Asp Trp Arg Gln Tyr Gly Ser Ala Ile Arg Gly Ser Arg Tyr Tyr  
100 105 110

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

<210>	154
<211>	129
<212>	PRT
<213>	Homo Sapiens

<400> 154

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

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

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

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

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

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

Ala Arg Asp Met Val Thr Met Val Arg Gly Ala Tyr Arg Asn Tyr Tyr  
 100 105 110

Tyr Tyr Gly Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser  
 115 120 125

Ser

<210> 155

<211> 127

<212> PRT

<213> Homo Sapiens

<400> 155

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

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

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

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

Ala Arg Glu Asn Ser Val Leu Val Pro Gly Thr Ile Arg Arg Arg Tyr  
                   100                  105                  110

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

<210> 156  
 <211> 127  
 <212> PRT  
 <213> Homo Sapiens

<400> 156

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

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

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

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

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

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

Ala Arg Asn Leu Phe Gly Asp Tyr Asp Leu Lys Ser Tyr Tyr Tyr Asn  
                   100                  105                  110

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

<210> 157  
 <211> 127  
 <212> PRT  
 <213> Homo Sapiens

<400> 157

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

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



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

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

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

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

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

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

<210> 158

<211> 125

<212> PRT

<213> Homo Sapiens

<400> 158

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

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

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

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

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

<210> 159  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 159

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

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

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

Trp Leu Ala His Ile Phe Ser Asn Asp Glu Lys Ser Tyr Ser Thr Ser  
 50 55 60

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

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

Cys Ala Arg Met Arg Leu Thr Met Val Arg Gly Val Ile Thr Tyr Tyr  
 100 105 110

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

Ser

<210> 160  
 <211> 127  
 <212> PRT  
 <213> Homo Sapiens

<400> 160

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

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

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

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

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

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

Cys Ala Arg Ala Pro Ser Tyr Tyr Asp Ser Ser Gly Tyr Arg Tyr Trp  
 100 105 110

Tyr Ile Asp Leu Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser  
 115 120 125

<210> 161

<211> 126

<212> PRT

<213> Homo Sapiens

<400> 161

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

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

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

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

Ala Arg Glu Leu Ser Thr Gln Arg Gly Tyr Ser Arg Tyr His Tyr Val  
 100 105 110

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

<210> 162

<211> 121

<212> PRT

<213> Homo Sapiens

&lt;400&gt; 162

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

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

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

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

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

Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120

&lt;210&gt; 163

&lt;211&gt; 126

&lt;212&gt; PRT

&lt;213&gt; Homo Sapiens

&lt;400&gt; 163

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

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

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

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

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

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

85

90

95

Ala Arg Asp Leu Thr Thr Gln Arg Gly Tyr Ser Arg Tyr His Tyr Val  
                   100                  105                  110

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

&lt;210&gt; 164

&lt;211&gt; 126

&lt;212&gt; PRT

&lt;213&gt; Homo Sapiens

&lt;400&gt; 164

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

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

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

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

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

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

&lt;210&gt; 165

&lt;211&gt; 130

&lt;212&gt; PRT

&lt;213&gt; Homo Sapiens

&lt;400&gt; 165

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

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

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

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

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

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

Cys Ala Arg Glu Ser Thr Leu Tyr Ser Ser Ser Trp Tyr Arg Arg Tyr  
                   100                  105                  110

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

Ser Ser  
       130

<210> 166

<211> 129

<212> PRT

<213> Homo Sapiens

<400> 166

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

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

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

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

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

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

Ala Arg Glu Ser Thr Leu Tyr Ser Ser Ser Trp Tyr Arg Arg Tyr Tyr  
           100                  105                  110

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

Ser

<210> 167  
 <211> 128  
 <212> PRT  
 <213> Homo Sapiens

<400> 167

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

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

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

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

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

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

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

Tyr Tyr Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser  
 115 120 125

<210> 168  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 168

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

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

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

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

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

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

Ala Arg Glu Met Val Ser Tyr Ser Ser Ser Trp Tyr Arg Arg Tyr Tyr  
 100 105 110

Tyr Tyr Val Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser  
 115 120 125

Ser

<210> 169

<211> 123

<212> PRT

<213> Homo Sapiens

<400> 169

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

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

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

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

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

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

Lys Asn Lys Val Gly Ala Thr Arg Arg Ala Val Val Ala Phe Asp Ile  
 100 105 110



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

<210> 170  
 <211> 127  
 <212> PRT  
 <213> Homo Sapiens

<400> 170

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

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

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

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

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

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

Ala Arg Gly Glu Pro Leu Asn Tyr Asp Tyr Ile Trp Gly Gly Tyr Arg  
 100 105 110

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

<210> 171  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 171

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

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

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

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

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

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

Ala Lys Glu His Gly Tyr Tyr Ser Ser Ser Trp Tyr Arg Asn Tyr Tyr  
 100 105 110

Tyr Tyr Ala Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser  
 115 120 125

Ser

<210> 172

<211> 121

<212> PRT

<213> Homo Sapiens

<400> 172

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

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

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

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

Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120

<210> 173  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 173

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

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

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

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

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

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

Ala Arg Glu Met Val Ser Tyr Ser Ser Ser Trp Tyr Arg Arg Tyr Tyr  
 100 105 110

Tyr Tyr Asn Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser  
 115 120 125

Ser

<210> 174  
 <211> 125  
 <212> PRT  
 <213> Homo Sapiens

<400> 174

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

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

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

Ala Tyr Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val

50                                      55                                      60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Ser Thr Leu Asn  
 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 Ile Ala Ser Arg Gly Tyr Ser Arg Tyr Leu Tyr Tyr Phe  
                                     100                                      105                                      110  
 Asp Ser Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
                                     115                                      120                                      125  
  
 <210> 175  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens  
  
 <400> 175  
 Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gly  
 1                                      5                                      10                                      15  
 Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Met Arg Ser Ser  
                                     20                                      25                                      30  
 Asn Trp Trp Thr Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp  
                                     35                                      40                                      45  
 Ile Gly Glu Ile His His Gly Gly Ser Thr Asn Tyr Asn Pro Ser Leu  
                                     50                                      55                                      60  
 Gln Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Arg Phe Ser  
 65                                      70                                      75                                      80  
 Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr His Cys  
                                     85                                      90                                      95  
 Ala Arg Gly Arg Ser Tyr Tyr Asp Ser Ser Gly His Ser Phe Arg Gly  
                                     100                                      105                                      110  
 Leu Val Pro Phe Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser  
                                     115                                      120                                      125  
  
 Ser  
  
 <210> 176

<211> 128  
 <212> PRT  
 <213> Homo Sapiens

<400> 176

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

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

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

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

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

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

Arg Glu Trp Arg Gln Tyr Gly Ser Gly Ile Arg Gly Ser Arg Tyr Tyr  
 100 105 110

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

<210> 177  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 177

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

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

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

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

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

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

Ala Arg Glu Met Ala Ser Tyr Ser Ser Ser Trp Tyr Arg Arg Tyr Tyr  
                                   100                                  105                                  110

Tyr Tyr Val Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser  
                                   115                                  120                                  125

Ser

<210> 178  
 <211> 125  
 <212> PRT  
 <213> Homo Sapiens

<400> 178

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

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

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

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

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

<210> 179  
 <211> 128  
 <212> PRT  
 <213> Homo Sapiens

<400> 179

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

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

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

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

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

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

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

Tyr Ala Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
115 120 125

<210> 180

<211> 126

<212> PRT

<213> Homo Sapiens

<400> 180

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

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

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

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

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

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

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

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

<210> 181  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 181

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

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

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

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

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

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

Ala Arg Glu Met Val Ser Tyr Ser Ser Ser Trp Tyr Arg Arg Tyr Tyr  
 100 105 110

Tyr Tyr Asn Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser  
 115 120 125

Ser

<210> 182  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 182

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



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

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

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

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

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

Ala Arg Glu Gln Gly Gly Tyr Ser Ser Ser Trp Tyr Arg Arg Tyr Tyr  
           100                  105                  110

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

Ser

<210> 183

<211> 125

<212> PRT

<213> Homo Sapiens

<400> 183

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

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

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

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

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

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

Ala Arg Glu Val Ala Val Arg Gly Val Ile Arg Tyr Tyr Tyr Ala Met  
                   100                  105                  110

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

<210> 184  
 <211> 123  
 <212> PRT  
 <213> Homo Sapiens

<400> 184

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

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

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

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

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

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

Lys Asn Lys Val Gly Ala Thr Arg Arg Ala Val Val Ala Val Asp Ile  
                   100                  105                  110

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

<210> 185  
 <211> 127  
 <212> PRT  
 <213> Homo Sapiens

<400> 185

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

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

Asp Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile

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          35              40              45

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

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

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

Ala Arg Asp Leu Tyr Gly Asp Tyr Asp Pro Lys Ser Tyr Tyr Tyr Tyr
          100              105              110

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

<210> 186
<211> 125
<212> PRT
<213> Homo Sapiens

<400> 186

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

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

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

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

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

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

Ala Arg Glu Ile Ala Ser Arg Gly Tyr Ser Arg Tyr Leu Tyr Tyr Phe
          100              105              110

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

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<210> 187

<211> 125  
 <212> PRT  
 <213> Homo Sapiens

<400> 187

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu His  
 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 Ile Ala Ser Arg Gly Tyr Ser Arg Tyr Leu Tyr Tyr Leu  
 100 105 110

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

<210> 188  
 <211> 126  
 <212> PRT  
 <213> Homo Sapiens

<400> 188

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

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

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

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

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

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

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

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

<210>	189
<211>	121
<212>	PRT
<213>	Homo Sapiens

<400> 189

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

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

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

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

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

Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210>	190
<211>	128
<212>	PRT
<213>	Homo Sapiens

$\langle 400 \rangle$  190

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

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

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

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

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

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

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

Tyr Tyr Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser  
                   115                  120                  125

<210> 191

<211> 129

<212> PRT

<213> Homo Sapiens

<400> 191

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

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

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

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

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

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

Ala Arg Asp Ala Ser Val Leu Ser Gly Leu Val Thr Arg Arg Leu Val  
                   100                  105                  110

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

Ser

<210> 192  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 192

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

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

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

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

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

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

Ala Lys Glu His Gly Tyr Tyr Arg Ser Ser Trp Tyr Arg Asn Tyr Tyr  
 100 105 110

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

Ser

<210> 193  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 193

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

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

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

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

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

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

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

Tyr Tyr Ala Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser  
       115                  120                  125

Ser

<210> 194

<211> 128

<212> PRT

<213> Homo Sapiens

<400> 194

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

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

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

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

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

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



Ala Arg Glu Thr Val Val Val Ala Ala Lys Ile Arg Asn His Tyr Tyr  
                   100                  105                  110

Tyr Ala Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
           115                  120                  125

<210> 195  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 195

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

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

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

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

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

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

Ser

<210> 196  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 196

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

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

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

Ser

<210>	197
<211>	129
<212>	PRT
<213>	Homo Sapiens
<400>	197

Gln	Val	Gln	Leu	Val	Glu	Thr	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg
1			5						10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Gly	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			
Ala	Gly	Ile	Trp	Tyr	Asp	Gly	Ser	Asn	Lys	Tyr	Tyr	Gly	Asp	Ser	Val
	50					55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Arg	Asn	Thr	Leu	Tyr
65					70					75				80	
Leu	His	Met	Asn	Ser	Leu	Arg	Ala	Asp	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	
Ala	Arg	Glu	His	Gly	Gly	Ser	Arg	Ser	Gly	Trp	Tyr	Thr	Leu	Arg	Leu

100 105 110

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

Ser

<210> 198  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 198

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

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

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

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

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

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

Ala Arg Gly Thr Ser Tyr Tyr Asp Ser Ser Gly Tyr Ser Phe Arg Gly  
 100 105 110

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

Ser

<210> 199  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 199

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

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

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

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

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

Ser

<210> 200  
<211> 127  
<212> PRT  
<213> Homo Sapiens

<400> 200

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

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

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

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

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

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

Ala Arg Gly Glu Pro Leu Asn Tyr Asp Tyr Ile Trp Gly Arg Ser Arg  
                   100                  105                  110

Leu Thr Ile His Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
           115                  120                  125

<210> 201  
 <211> 129  
 <212> PRT  
 <213> Homo Sapiens

<400> 201

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

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

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

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

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

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

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

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

Ser

<210> 202  
 <211> 124  
 <212> PRT  
 <213> Homo Sapiens

<400> 202

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

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

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

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

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

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

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

Val Trp Gly Arg Gly Thr Thr Val Thr Val Ser Ser  
       115                  120

<210> 203

<211> 216

<212> PRT

<213> Homo Sapiens

<400> 203

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

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

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

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

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

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

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

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys  
 115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg  
 130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn  
 145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser  
 165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys  
 180 185 190

Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr  
 195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 204

<211> 214

<212> PRT

<213> Homo Sapiens

<400> 204

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

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

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

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

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

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

Ala Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg Thr Val Ala Ala  
 100 105 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 205

<211> 216

<212> PRT

<213> Homo Sapiens

<400> 205

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

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

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

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

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

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

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



Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys  
 115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg  
 130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn  
 145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser  
 165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys  
 180 185 190

Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr  
 195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 206

<211> 214

<212> PRT

<213> Homo Sapiens

<400> 206

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

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

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

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

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

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

Ala Phe Gly Pro Gly Thr Lys Val Asp Ile Lys Arg Thr Val Ala Ala  
 100 105 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 207

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 207

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

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

Leu Ala Trp Phe Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
 35 40 45

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 208

<211> 214

<212> PRT

<213> Homo Sapiens

<400> 208

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

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

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

Phe Gly Leu Ser Asn Leu Glu Asp Gly Val Pro Ser Arg Phe Ser Gly  
 50 55 60

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

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

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

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 209

<211> 216

<212> PRT

<213> Homo Sapiens

<400> 209

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

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Asn Pro Arg Arg Asn  
 20 25 30

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

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

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

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

Leu Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Met Lys Arg Thr Val  
 100 105 110

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys  
 115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg  
 130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn  
 145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser  
 165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys  
 180 185 190

Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr  
 195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 210

<211> 216

<212> PRT

<213> Homo Sapiens

<400> 210

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

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

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

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

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

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

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

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys  
 115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg  
 130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn  
 145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser  
 165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys  
 180 185 190

Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr  
 195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 211

<211> 214

<212> PRT

<213> Homo Sapiens

<400> 211

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

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

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

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

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

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

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

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 212

<211> 217

<212> PRT

<213> Homo Sapiens

<400> 212

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

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

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

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

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

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

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

Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu  
 115 120 125

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro  
 130 135 140

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly  
 145 150 155 160

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr  
 165 170 175

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His  
 180 185 190

Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val  
 195 200 205

Thr Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 213  
 <211> 214  
 <212> PRT  
 <213> Homo Sapiens

<400> 213

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

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

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

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

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

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

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



Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 214

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 214

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 215

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 215

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

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

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

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

Ser Gly Ser Gly Thr His Phe Thr Leu Thr Ile Ser Ser Leu Gln Arg  
 65 70 75 80

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 216  
 <211> 213  
 <212> PRT  
 <213> Homo Sapiens

<400> 216

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

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

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

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

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

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

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr  
 115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys  
 130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu  
 145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser  
 165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala  
 180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe  
 195 200 205

Asn Arg Gly Glu Cys  
 210

<210> 217  
 <211> 215  
 <212> PRT  
 <213> Homo Sapiens

<400> 217

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

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

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

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

Ser Gly Ser Gly Thr His Phe Thr Leu Thr Ile Ser Ser Leu Gln Arg  
 65 70 75 80

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 218

<211> 217

<212> PRT

<213> Homo Sapiens

<400> 218

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

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

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

Leu Ile Tyr Ser Thr Ser Lys Lys His Ser Trp Thr Pro Ala Arg Phe  
 50 55 60

Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val  
 65 70 75 80

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

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

Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu  
 115 120 125

Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe  
 130 135 140

Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val  
 145 150 155 160

Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys  
 165 170 175

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser  
 180 185 190

His Lys Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu  
 195 200 205

Lys Thr Val Ala Pro Thr Glu Cys Ser  
 210 215

<210> 219

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 219

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 220

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 220

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 221  
 <211> 214  
 <212> PRT  
 <213> Homo Sapiens

<400> 221

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

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

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

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

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

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

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



Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 222

<211> 216

<212> PRT

<213> Homo Sapiens

<400> 222

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

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

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

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

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

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

Ile Phe Thr Phe Gly Pro Gly Thr Lys Leu Asp Ile Lys Arg Thr Val  
 100 105 110

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys  
 115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg  
 130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn  
 145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser  
 165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys  
 180 185 190

Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr  
 195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 223

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 223

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 224

<211> 216

<212> PRT

<213> Homo Sapiens

<400> 224

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

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

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

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

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

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

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

Pro Lys Ala Asn Pro Thr Val Thr Leu Phe Pro Pro Ser Ser Glu Glu  
 115 120 125

Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr  
 130 135 140

Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Gly Ser Pro Val Lys  
 145 150 155 160

Ala Gly Val Glu Thr Thr Lys Pro Ser Lys Gln Ser Asn Asn Lys Tyr  
 165 170 175

Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His  
 180 185 190

Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys  
 195 200 205

Thr Val Ala Pro Thr Glu Cys Ser  
 210 215

<210> 225

<211> 216

<212> PRT

<213> Homo Sapiens

<400> 225

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

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

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

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

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

Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn  
 85 90 95

Tyr Arg Glu Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln  
 100 105 110

Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu  
 115 120 125

Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr  
 130 135 140

Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys  
 145 150 155 160

Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr  
 165 170 175

Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His  
 180 185 190

Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys  
 195 200 205

Thr Val Ala Pro Ala Glu Cys Ser  
 210 215

<210> 226

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 226

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 227  
 <211> 215  
 <212> PRT  
 <213> Homo Sapiens

<400> 227

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 228

<211> 217

<212> PRT

<213> Homo Sapiens

<400> 228

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

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

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

Leu Val His Ser Thr Ser Lys Lys His Ser Trp Thr Pro Ala Arg Phe  
 50 55 60

Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val  
 65 70 75 80

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

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

Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu  
 115 120 125

Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe  
 130 135 140

Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val  
 145 150 155 160

Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys  
 165 170 175

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser  
 180 185 190

His Lys Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu  
 195 200 205

Lys Thr Val Ala Pro Ala Glu Cys Ser  
 210 215

<210> 229

<211> 217

<212> PRT

<213> Homo Sapiens

<400> 229

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

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

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

Leu Ile Ser Gly Thr Ser Asn Lys Leu Ser Trp Thr Pro Ala Arg Phe  
 50 55 60

Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Val Ser Gly Val  
 65 70 75 80

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

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



Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu  
 115 120 125

Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe  
 130 135 140

Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val  
 145 150 155 160

Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys  
 165 170 175

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser  
 180 185 190

His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu  
 195 200 205

Lys Thr Val Ala Pro Thr Glu Cys Ser  
 210 215

<210> 230

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 230

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 231  
 <211> 214  
 <212> PRT  
 <213> Homo Sapiens

<400> 231

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

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

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

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

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

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

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

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 232

<211> 216

<212> PRT

<213> Homo Sapiens

<400> 232

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

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

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

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

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

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

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

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys  
 115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg  
 130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn  
 145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser  
 165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys  
 180 185 190

Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr  
 195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 233  
 <211> 215  
 <212> PRT  
 <213> Homo Sapiens

<400> 233

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 234

<211> 214

<212> PRT

<213> Homo Sapiens

<400> 234

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

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

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

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

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

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

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

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 235  
 <211> 213  
 <212> PRT  
 <213> Homo Sapiens

<400> 235

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

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

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

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

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

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

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

Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr  
 115 120 125

Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys  
 130 135 140

Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu  
 145 150 155 160

Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser  
 165 170 175

Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala  
 180 185 190

Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe  
 195 200 205

Asn Arg Gly Glu Cys  
 210

<210> 236  
 <211> 214  
 <212> PRT  
 <213> Homo Sapiens

<400> 236

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

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

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

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

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

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

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

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 237

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 237

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

Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg His Ser Tyr  
 20 25 30

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

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

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

Glu Asp Gly Gly Asp Tyr Tyr Cys Asn Ser Arg Asp Thr Ser Thr Asp  
 85 90 95

His Tyr Val Phe Gly Asp Gly Thr Arg Val Thr Val Val Gly Gln Pro  
 100 105 110



Lys Ala Asn Pro Thr Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu  
 115 120 125

Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro  
 130 135 140

Gly Ala Val Thr Val Ala Trp Lys Ala Asp Gly Ser Pro Val Lys Ala  
 145 150 155 160

Gly Val Glu Thr Thr Lys Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala  
 165 170 175

Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg  
 180 185 190

Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr  
 195 200 205

Val Ala Pro Thr Glu Cys Ser  
 210 215

<210> 238  
 <211> 215  
 <212> PRT  
 <213> Homo Sapiens

<400> 238

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 239

<211> 214

<212> PRT

<213> Homo Sapiens

<400> 239

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

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

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

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

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

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

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

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 240

<211> 217

<212> PRT

<213> Homo Sapiens

<400> 240

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

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

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

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

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

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

Pro Met Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg Thr  
 100 105 110

Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu  
 115 120 125

Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro  
 130 135 140

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly  
 145 150 155 160

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr  
 165 170 175

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His  
 180 185 190

Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val  
 195 200 205

Thr Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 241  
 <211> 216  
 <212> PRT  
 <213> Homo Sapiens

<400> 241

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

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

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

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

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

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

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

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys  
 115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg  
 130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn  
 145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser  
 165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys  
 180 185 190

Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr  
 195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 242

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 242

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 243  
 <211> 215  
 <212> PRT  
 <213> Homo Sapiens

<400> 243

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 244

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 244

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 245  
 <211> 217  
 <212> PRT  
 <213> Homo Sapiens

<400> 245

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

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

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

Leu Ile Tyr Ser Thr Ser Lys Lys His Ser Trp Thr Pro Ala Arg Phe  
 50 55 60

Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val  
 65 70 75 80

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

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



Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu  
 115 120 125

Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe  
 130 135 140

Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val  
 145 150 155 160

Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys  
 165 170 175

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser  
 180 185 190

His Lys Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu  
 195 200 205

Lys Thr Val Ala Pro Thr Glu Cys Ser  
 210 215

<210> 246  
 <211> 216  
 <212> PRT  
 <213> Homo Sapiens

<400> 246

Gln Thr Val Val Thr Gln Glu Pro Ser Phe Ser Val Ser Pro Gly Gly  
 1 5 10 15

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

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

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

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

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

Gly Pro Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln  
 100 105 110

Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu  
 115 120 125

Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr  
 130 135 140

Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys  
 145 150 155 160

Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr  
 165 170 175

Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His  
 180 185 190

Lys Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys  
 195 200 205

Thr Val Ala Pro Thr Glu Cys Ser  
 210 215

<210> 247

<211> 219

<212> PRT

<213> Homo Sapiens

<400> 247

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

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

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

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

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

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

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

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu  
 115 120 125

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

Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln  
 145 150 155 160

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser  
 165 170 175

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu  
 180 185 190

Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser  
 195 200 205

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 248

<211> 214

<212> PRT

<213> Homo Sapiens

<400> 248

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

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

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

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

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

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

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

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 249

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 249

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 250

<211> 214

<212> PRT

<213> Homo Sapiens

<400> 250

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

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

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

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

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

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

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

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 251  
 <211> 215  
 <212> PRT  
 <213> Homo Sapiens

<400> 251

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 252

<211> 216

<212> PRT

<213> Homo Sapiens

<400> 252

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

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

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

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

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

Pro Glu Asp Phe Ala Met Tyr Tyr Cys His Tyr Ser Gly Gly Ser Pro  
 85 90 95

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

Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys  
 115 120 125

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg  
 130 135 140

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn  
 145 150 155 160

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser  
 165 170 175

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys  
 180 185 190

Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr  
 195 200 205

Lys Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 253

<211> 214

<212> PRT

<213> Homo Sapiens

<400> 253

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

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

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

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

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

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

Thr Phe Gly Pro Gly Thr Lys Val Asp Val Lys Arg Thr Val Ala Ala  
 100 105 110



Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala  
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln  
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser  
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr  
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser  
 195 200 205

Phe Asn Arg Gly Glu Cys  
 210

<210> 254

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 254

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 255

<211> 217

<212> PRT

<213> Homo Sapiens

<400> 255

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

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

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

Leu Ile Tyr Ser Thr Ser Asn Lys His Ser Trp Thr Pro Ala Arg Phe  
 50 55 60

Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val  
 65 70 75 80

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

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

Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu  
 115 120 125

Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe  
 130 135 140

Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val  
 145 150 155 160

Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys  
 165 170 175

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser  
 180 185 190

His Lys Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu  
 195 200 205

Lys Thr Val Ala Pro Thr Glu Cys Ser  
 210 215

<210> 256

<211> 217

<212> PRT

<213> Homo Sapiens

<400> 256

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

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

Asn Tyr Met Gln Trp Tyr Gln Gln Arg Pro Gly Ser Ser Pro Thr Thr  
 35 40 45

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

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

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

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

Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu  
 115 120 125

Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe  
 130 135 140

Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val  
 145 150 155 160

Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys  
 165 170 175

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser  
 180 185 190

His Lys Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu  
 195 200 205

Lys Thr Val Ala Pro Thr Glu Cys Ser  
 210 215

<210> 257

<211> 215

<212> PRT

<213> Homo Sapiens

<400> 257

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
 115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
 130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
 145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
 165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
 180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
 195 200 205

Ser Phe Asn Arg Gly Glu Cys  
 210 215

<210> 258  
 <211> 215  
 <212> PRT  
 <213> Homo Sapiens

<400> 258

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

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

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

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

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

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

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

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu  
130 135 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys  
195 200 205

Ser Phe Asn Arg Gly Glu Cys  
210 215

<210> 259  
<211> 23  
<212> DNA  
<213> Atificial

<400> 259  
cgttcttttt cgcaacgggt ttg 23

<210> 260  
<211> 23  
<212> DNA  
<213> Atificial

<400> 260  
aagaccgatg ggcccttggt gga 23