ÐòÁÐ±í

<110> ÐÅ´ïÉúÎïÖÆÒ©£¨ËÕÖÝ£©ÓÐÏÞ¹«Ë¾£»±±¾©º«ÃÀÒ©Æ·ÓÐÏÞ¹«Ë¾

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ggcaaagctc caaagctgct gatctacagc gcatctttcc tgtattctgg agtgcccagt 180
aggtttagtg ggtcacggtc cggtaccgac ttcacactga ctatctccag cctgcagcct 240
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Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Val Asn Thr Ala
20 25 30
Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45
Tyr Ser Ala Ser Phe Leu Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60
Ser Arg 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 His Tyr Thr Thr Pro Pro
85 90 95
Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

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<211> 321

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tggaaggtcg ataacgctct gcagagcgga aattctcagg agagtgtgac agaacaggac 180

tcaaaagatt ccacttatag cctgtctagt accctgacac tgtccaaggc agactacgaa 240
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tccttcaatc gtggcgaatg c 321
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Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe
20 25 30
Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln
35 40 45
Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
50 55 60
Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
65 70 75 80
Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser
85 90 95
Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
100 105
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ccagggaagg gtctggaatg ggtggctcgt atctacccta caaatggtta cactagatat 180
gccgactccg tgaaaggccg gtttactatt tctgctgata ccagtaagaa cacagcatac 240
ctgcagatga atagcctgag ggctgaggat accgcagtgt actattgctc tcggtggggg 300
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20 25 30
Tyr Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

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Ala Arg Ile Tyr Pro Thr Asn Gly Tyr Thr Arg Tyr Ala Asp Ser Val
    50                  55                  60
Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr
65                  70                  75                  80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
Ser Arg Trp Gly Gly Asp Gly Phe Tyr Ala Met Asp Tyr Trp Gly Gln
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Gly Thr Leu Val Thr Val Ser Ser
        115                 120
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ggaaccgcag cactgggatg tctggtgaag gactacttcc cagagcccgt caccgtgtct    120
tggaacagtg gagcactgac ctccggggtc catacatttc ctgccgtgct gcagtcatcc    180
ggtctgtata gcctgagctc tgtggtcaca gtcccaagtt catccctggg cacccagaca    240
tacatctgca acgtgaatca caaaccttcc aatactaagg tcgacaagaa agtggaacca    300
aaaagctgtg ataagactca tacctgccca ccttgtcctg caccagagct gctgggaggt    360
ccaagcgtgt tcctgtttcc acccaagccc aaagacacac tgatgatttc tcgcacaccc    420
gaagtcactt gtgtggtcgt ggacgtgtcc cacgaggatc ctgaagtcaa gttcaactgg    480
tacgtggatg gcgtcgaggt gcataatgct aagaccaaac ccagagagga acagtacaac    540
agcacctatc gcgtcgtgtc tgtcctgaca gtgctgcacc aggattggct gaacggaaag    600
gagtacaagt gcaaagtgag caacaaggcc ctgcccgctc ctatcgagaa gaccatttct    660
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ctgacaaaaa accaggtctc cctgacttgt ctggtgaagg gattctaccc tagcgatatc    780
gcagtggagt gggaatctaa tgggcagcca gaaaacaatt ataagaccac acccccctgtg    840
ctggactcag atggttcctt ctttctgctg agtgtgctga ccgtggacaa gtccaggtgg    900
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1               5                   10                  15
Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
            20                  25                  30
Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
        35                  40                  45
Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
    50                  55                  60
Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
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65 70 75 80
Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95
Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110
Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125
Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140
Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160
Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175
Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190
His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205
Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220
Gln Pro Arg Glu Pro Gln Val Tyr Thr Glu Pro Pro Ser Arg Asp Glu
225 230 235 240
Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255
Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270
Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285
Leu Leu Ser Val Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300
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Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

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ggcaaggccc ccaagctgct gatctccgct gcctcctccc tgcagtccgg agtgccttcc 180
aggttcagcg gttctggctc cggcaccgac ttcaccctga ccatctcctc cctgcagccc 240
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Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp
            20   25   30
Leu Ala 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 Pro
65   70   75   80
Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ala Asn His Leu Pro Phe
                85   90   95
Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100   105
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cctggccagg gactggagtg gatgggaggc atctggccct ccttcggcac agcctcctac   180
gcccagaagt tccagggcag ggtgaccatc accgccgacg agagcacctc caccgcctac   240
atggagctga gctccctgag gtccgaggac accgccgtgt actactgtgc cagggccgag   300
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Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Thr
            20   25   30
Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35   40   45
Gly Gly Ile Trp Pro Ser Phe Gly Thr Ala Ser Tyr Ala Gln Lys Phe
    50   55   60
Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
65   70   75   80
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85   90   95
Ala Arg Ala Glu Tyr Ser Ser Thr Gly Ile Phe Asp Tyr Trp Gly Gln

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            100                 105                 110
Gly Thr Leu Val Thr Val Ser Ser
        115                 120
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tggaacagtg gagcactgac ctccggggtc catacatttc ctgccgtgct gcagtcatcc    180
ggtctgtata gcctgagctc tgtggtcaca gtcccaagtt catccctggg cacccagaca    240
tacatctgca acgtgaatca caaaccttcc aatactaagg tcgacaagaa agtggaacca    300
aaaagctgtg ataagactca tacctgccca ccttgtcctg caccagagct gctgggaggt    360
ccaagcgtgt tcctgtttcc acccaagccc aaagacacac tgatgatttc tcgcacaccc    420
gaagtcactt gtgtggtcgt ggacgtgtcc cacgaggatc ctgaagtcaa gttcaactgg    480
tacgtggatg gcgtcgaggt gcataatgct aagaccaaac ccagagagga acagtacaac    540
agcacctatc gcgtcgtgtc tgtcctgaca gtgctgcacc aggattggct gaacggaaag    600
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ctgacaaaaa accaggtctc cctgctgtgt ctggtgaagg gattctaccc tagcgatatc    780
gcagtggagt gggaatctaa tgggcagcca gaaaacaatt ataagaccac acccccctgtg    840
ctgcggtcag atggttcctt ctttctgtac agtaaactga ccgtggacaa gtccaggtgg    900
cagcagggga acgtctttc ctgcagcgtg atgcatgagg ccctgcacaa tcattacaca    960
cagaaatctc tgagtctgtc accaggaaag                                    990
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Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
            20                  25                  30
Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
        35                  40                  45
Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
    50                  55                  60
Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65                  70                  75                  80
Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
                85                  90                  95
Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
            100                 105                 110
Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
        115                 120                 125
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Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
    130                 135                 140
Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145                 150                 155                 160
Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
                165                 170                 175
Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
            180                 185                 190
His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
        195                 200                 205
Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
    210                 215                 220
Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225                 230                 235                 240
Leu Thr Lys Asn Gln Val Ser Leu Leu Cys Leu Val Lys Gly Phe Tyr
                245                 250                 255
Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
            260                 265                 270
Asn Tyr Lys Thr Thr Pro Pro Val Leu Arg Ser Asp Gly Ser Phe Phe
        275                 280                 285
Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
    290                 295                 300
Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305                 310                 315                 320
Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                325                 330
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