

120

120

120

480

480

480

600

600

600

840 840 840

GA<mark>C</mark>CC<mark>C</mark>AAAGC<mark>C</mark>GACTCCAC<mark>C</mark>CG<mark>G</mark>CT<mark>G</mark>ATCCTGAACGCAAAGGC<mark>G</mark>CAGGA<mark>T</mark>ACCGTTCTGCATCT<mark>C</mark>GCCGC<mark>CCAA</mark>GAAGGTTC<mark>T</mark>GTGGAAGACCT**T**GA<mark>A</mark>CTC<mark>C</mark>AG<u>GACGTGCTCAAGA</u>TC 240 GATCCGAAAGCGGACTCCAC<mark>G</mark>CGCCT<mark>C</mark>ATCCTGAACGCAAAGGC<mark>A</mark>CAGGACACCGT<mark>A</mark>CTGCATCTTGC<mark>G</mark>GC<mark>AAC</mark>GAAGGTTC<mark>G</mark>GTCGAAGACCTCGAGGCTCGAGACGTGCTCAA<mark>A</mark>GT<mark>G</mark> 240 GATCCGAAAGCGGACTCGAC<mark>T</mark>CGCCT<mark>T</mark>ATTCTGCACGCCAAGGCTCAAGACACGATTTTGAGTCTTGCCGCGAGCGCCGGCGCGTGGAGGATCTAGAGCTCGAGGACGTAATGAAGGTT 240

GGCTACAAAGACATCAAGTGCGTGGAGTCCGG<mark>C</mark>GGCCC<mark>C</mark>GAGCCGGGTGTCGGCTGCGCCGGCCGCGTCATCACCTCGATCAACTTCCT<mark>C</mark>GA<mark>G</mark>AGAACGGCGCCTA<mark>T</mark>GA<mark>T</mark>AATGTC 360 GG<mark>T</mark>TACA<mark>G</mark>AG<mark>G</mark>CATCAAGTGCGTGGAGTCCGGTGGCCC<mark>A</mark>GAGCCGGG<mark>C</mark>GTCGGCTGCGCCGG<mark>A</mark>CGCGGCGT<mark>T</mark>ATCACCTCGATCAACTTCCT<mark>G</mark>GAAGAACGGCGC<mark>T</mark>TAC<mark>A</mark>A<mark>CG</mark>ATGTC 360 360

GACTATGTCTC<mark>C</mark>TACGACGTGCT<mark>G</mark>GGCGA<mark>T</mark>GT<mark>G</mark>GTGTGCGGCGGCTTTGCGATGCC<mark>G</mark>ATCCGCGAAAACAAGGC<mark>C</mark>CAGGAAATCTACATCGTCATGTCCGG<mark>C</mark>GAGATGATGGCGCTCTAT GA<mark>T</mark>TACGTCTC<mark>A</mark>TACGACGTGCT<mark>A</mark>GGGGGACGT<mark>A</mark>GT<mark>A</mark>TGCGGCGGCTTTGCGATGCC<mark>T</mark>AT**T**CGCGAAAACAAGGC<mark>T</mark>CAGGAAATCTACATCGTCATGTCCGGTGAGATGATGGCGCTCTAT  $\texttt{GA\overline{C}TA\overline{C}TTC} \texttt{TTC} \texttt{TTACGAT} \texttt{GTC} \texttt{TGCC} \texttt{GACGT} \texttt{GTT} \texttt{TTGCGGT} \texttt{GGCTTTGCGATGCC} \texttt{AATC} \texttt{CGCGAAAACAAGGC} \texttt{GCAGGAGATCTACATCGT} \texttt{GATGTC} \texttt{TGGTGAA} \texttt{ATGATGGC} \texttt{AATG} \texttt{TAT} \texttt{GATGTC} \texttt$ 

GCCGCCAACAACATCGCCAAGGGTATCCTGAAATACGCCCATTCGGGCGGCGTGCGGCT<mark>C</mark>GGCGGGCTGATCTGCAA<mark>T</mark>GAGCG<mark>A</mark>CAGACCGACCG<mark>C</mark>GAGCTCGACCTC<mark>T</mark>CCGAGGCGTT GCCGCCAACAACATCGC<mark>G</mark>AAGGGTATCCTGAA<mark>G</mark>TACGCCCAT<mark>G</mark>CGGGCGGCGTGCGGCTGGG<mark>G</mark>GGG<mark>T</mark>TGAT<mark>T</mark>TGCAACGAGCG<mark>C</mark>CAGACCGA<mark>T</mark>CGGGAGCTCGACCTCGCCGAGGC<mark>A</mark>CT<mark>T</mark> 

GCCGCCAG<mark>A</mark>CTCAATTCCAAGCTCATCCACTTCGTGCCGCGCGACAA<mark>C</mark>ATCGT<mark>C</mark>CAGCACGC<mark>C</mark>GA<mark>A</mark>CTGAGAAAGATGACGGT<mark>A</mark>ATCCA<mark>G</mark>TATGCGCCGGACTCCAA<mark>A</mark>CAGGC<mark>A</mark>GGGGA<mark>G</mark> 720 GCCGCC<mark>C</mark>CCTCAATTCCAAGCTCATCCACTTCGTGCCGCGACAATATCGT<mark>T</mark>CAGCACGCAGAGCT<mark>C</mark>AGAAAGATGAC<mark>A</mark>GTGATCCAATATGCGCCG<mark>A</mark>ACTC<mark>T</mark>AAGCA<mark>A</mark>GC<mark>C</mark>GGGGA<mark>A</mark> 720 GCC<mark>AAGAAG</mark>CTTGGCACTCAACTGATCTACTTCGTGCCGCGTGACAATGTGGCTGCAGCATGCAGAGCTGCGTTGCATGACGGTGCTTGAATATGCACCGGATTCCAAGCAGGCTGATCAC 720

TA<mark>C</mark>CGCGC<mark>GT</mark>TGGC<mark>C</mark>GAGAAGATCCATGTCAATTC<mark>G</mark>GGCCAGGGCACCATCCCGACCCC<mark>A</mark>ATCAC<mark>C</mark>ATGGAGGAGCTCGAGACATGCTGCTCGACTT<mark>C</mark>GGCATCATGAAGAC<mark>G</mark>GACGAG TATCGCGC<mark>C</mark>CTGGCTGAAAAGATCCATGCAAATTCCGGCC<mark>GA</mark>GGCACC<mark>G</mark>TCCCTAC<mark>A</mark>CCGATCACTATGGAGGAACTGGGACATGCTGCTCGACTTTGGAATCATGAAGAGCGACGAG TATCGGAAACTAGCGGCCAAGGTTCACAATAATGGCGGCAAGGGCATCATCCCGACCCCGATCTCAATGGATGAGCTCGAGGACATGCTGATGGAGCATTATAAAAGGCCGTTGGAT

CAAATGCTTGCCGA<mark>G</mark>CT<mark>T</mark>CA<mark>G</mark>GCCAAGGAAGC<mark>G</mark>AAATT<mark>GGCC</mark>GTC<mark>G</mark>CTCA<mark>G</mark>TAG CA<mark>G</mark>ATGCTTGCCGA<mark>A</mark>CTCCA<mark>C</mark>GCCAAGGAAGCCAA<mark>G</mark>GTAATAGCCCCCCACTGA 894 894 GAATCAATCATCGG...CAAAACC...GCCGCCGAACTCGCAGCCTCGTAA... 885