

GAGAATAAAC TAGTATTCTT CTGGTCCCCA CAGACTCAGA GAGAACCCGC 50
 CACC**ATGTTT** GTGTTCTGG TGCTGCTGCC TCTGGTGTCC AGCCAGTGTG 100
 TGAACCTGAC CACCAGAACA CAGCTGCCTC CAGCCTACAC CAACAGCTTT
 ACCAGAGGCG TGTACTACCC CGACAAGGTG TTCAGATCCA GCGTGCTGCA 200
 CTCTACCCAG GACCTGTTCC TGCCTTTCTT CAGCAACGTG ACCTGGTTCC
 ACGCCATCCA CGTGTCCGGC ACCAATGGCA CCAAGAGATT CGACAACCCC 300
 GTGCTGCCCT TCAACGACGG GGTGTACTTT GCCAGCACCG AGAAGTCCAA
 CATCATCAGA GGCTGGATCT TCGGCACCAC ACTGGACAGC AAGACCCAGA 400
 GCCTGCTGAT CGTGAACAAC GCCACCAACG TGGTCATCAA AGTGTGCGAG
 TTCCAGTTCT GCAACGA**CCC CT**TCCTGGGC GTCTACTACC ACAAGAACA 500
 CAAGAGCTGG ATGG**AAAG**CG AGTTCCGGGT GTACAGCAGC GCCA**CAACT**
 GCACCTTCGA GTACGTGTCC CAGCCTTTCC TGATGGACCT GGAAGG**CAAG** 600
CAGG**GCAACT** **TCAAGAAC** T GCGCGAGTTC GTG**TTTAA**GA ACATCGACGG
 CTACTT**CAAG** ATCTACAGCA AGCACACCCC TATCAACCTC GTGCGGGATC 700
 TGCCTCAGGG **CTTCTCTG**CT CTGGAACCCC TGGTGGATCT GCCCATCGGC
 AT**CAACAT**CA CCCGG**TTTCA** GACACTGCTG GCCCTGCACA GAAGCTACCT 800
 GACACCTGGC GATAGCAGCA GCGGATGGAC AGCTGGTGCC GCCGCTTACT
 ATGTGGGCTA CCTGCAGCCT AGAACCTTCC TGCTGAAGTA **CAACGAGA**AC 900
 GGCACCATCA CCGACGCCGT GGATTGTGCT CTGGATCCTC TGAGCGAGAC
AAAGTGCACC CTGAAGTCCT TCACCGT**GGAAAAGGGC**ATC TACCAGACCA 1000
 GCAACTTCCG GGTGCAGCCC ACCGAATCCA TCGTGCGGTT CCCC**AAATAT**C
 ACCAATCTGT GCCCCTTCGG CGAGGTGTTT AATGC**CAC**CA GATTGCCTC 1100
 TGTGT**ACGCC**T GGAACCGGA AGCGGATCAG C**AATT**GCGTG GCCGACTACT
 CCGTGCTGTA CAACTCCGCC AGCTTCAGCA CTTCAAGTG CTA**CGGC**GTG 1200
 TCCCCTA**CCA**AGCTGAACGA CCTGTGCTTC A**CAAAC**GTGT ACGCCGACAG
CTTCGTGATC CGGGGAGATG AAGTGCGG**CA** GATTGCCCT**T** **GGACAG****ACAG** 1300
 GCAAGATCGC CGACTACAAC TACAAGCTGC CCGACGA**CTT**CA **CCGGCTG**T
 GTGATTGCCT **GGAA**CAGCAA CAACCTGGAC **TC****CAAAGT**CG GCGGCAACTA 1400
 CAATTACCTG TACCGGCTGT **TCC**GGAAGTC CAATCT**GAAG** **CCCTT**CGAGC
 GGGACATCT**C** **CACC**GAGATC TATCAGGCCG GCAGCACCCC **TTG**TAACGGC 1500
 GT**GGAAG**GCT TCAACTGCTA CTTCCCACTG CA**GTCCTACG**GC **TTTCAGCC**
 CAC**AAATG**GC GTGGGCTATC AGCCCTACAG AGTGGTGG**TG**CTGAGCTTCG 1600
 AACTGCT**TGCA** TGCCCCTGCC ACAGTGTGCG GCCCTAAGAAAGGCAC**CAAT**
 CTCGTGA**AGA**AC**AAAT**GCGT GAACTTCAAC TTCAACGGCC TGACC**GGC**AC 1700
 CGGCGTGCTG ACAGAGAGCA ACAAG**AAGTT** **CCTGCC**ATTC CAGCAGTTTG
 GCCGGGATAT CGCCGATACC ACAGACGCCG TT**AGAGAT**CC CCAGAC**ACTG** 1800
GAAATCCTGG A**CAT****CACCC****CTT**G CAGCTTC GCGGGA**GTGT** C**TGT**GATCAC
 CCCTGGC**ACC****AAC****ACC****AGCA**AT**CAGGTGGC** **AGTGCT****GTAC** **CAGGAC**GTGA 1900
 ACTGTACCGA AGTGCCCGTG GCCATTCACG CCGATCAGCT GACACCTACA
 TGGCGGGTGT ACTCCACCGG CAG**CAATG**TG TTT**CAGACCA** **GAGCCG****GCTG** 2000
TCTGATCGGA GCCGAGCA**CG** TGAACAATAG CTAC**GAGTGC** **GACAT**CCCCA
 TCGGCGCT**GG** **AAT**CTGCGCC AGCTACCAGA CACAGACAAA **CAGCC**CTCGG 2100
 AGAG**CCAGAA** GCGTGGCCAG CCAGAGC**ATCA**ATTG**CCTAC**A CAATGTCTCT
 GGGCGCCGAG **AACA****GCGTGG** CTTACTCCAA CAACTCTATC GCTATCCCCA 2200
CAACTTCAC **CAT****CAGC****GTG****AC****CAC**AGAGA TCCTGCCTGT GTCCATGACC
 AAGACCAGCG TGGACT**GCAC** CAT**GTAC**ATC TCGGGCGATT CCACCGAGTG 2300
 CTCCAACCTG C**TGCT**GCAGT**AC**GGCAGCTT C**TGC****ACCCA**G CTG**AAT**AGAG
 CCCTG**ACAG**G GATCGCC**GTG** GAACAGGACAAGA**ACCCCA** **AGAGGT**GTTC 2400
 GCC**CAAG**TGA **AGCAGATCTA** **CAAGAC**CCCT CCTAT**CAAG**G ACTTCGGC**GG**
 CT**TCAATT**C AGCCAGATTC TGCCCGATCC TAGCAAGCC**CAG**CAAGCGGA 2500
GCTTCATCGA GGACCTGCTG TTCAACAAAG **TGACA**CTGGC CGACGC**CGGC**
 TTCATCAAGC AGTATGGCGA TTGTCTGGGC GAC**ATTG**CCG CCAGGGA**TCT** 2600

GATTTGCGCC CAGAAGTTTAACGGACTGAC AGTGCTGCCT CCTCTGCTGA
CCGATGAGAT GATCGCCCAG TACACATCTG CCCTGCTGGC CGGCACAATC 2700
ACAAGCGGCT GGACATTTGG AGCAGGCGCC GCTCTGCAGA TCCCCTTTGC
TATGCAGATG GCCTACCGGT TCAACGGCAT CGGAGTGACC CAGAATGTGC 2800
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AAGATCCAGG ACAGCCTGAG CAGCACAGCA AGCGCCCTGG GAAAGCTGCA 2900
GGACGTGGTC AACCAGAATG CCCAGGCACT GAACACCCTG GTCAAGCAGC
TGTCTCCAA CTTCGGCGCC ATCAGCTCTG TGCTGAACGA TATCCTGAGC 3000
AGACTGGACC CTCCTGAGGC CGAGGTGCA GATCGACAGAC TGATCACAGG
CAGACTGCAG AGCCTCCAGA CATACTGAC CCAGCAGC TGATCAGAGC CG 3100
CCGAGATTAG AGCCTCTGCC AATCTGGCCG CCACCAAGAT GTCTGAGTGT
GTGCTGGGCC AGAGCAAGAG AGTGGACTTT TGCGGCAAGG GCTACCACCT 3200
GATGAGCTTC CCTCAGCTG CCCCTCAGG CGTGGTGTTC CTGCACGTGA
CATA TGTGCC CGCTCAAGAG AAGAATTTCA CCACCGCTCC AGCCATCTGC 3300
CACGACGGCA AAGCCACTT TCCTAGA GAA GGCGTGTTTCG TGTCCAACGG
CACCCAT TGG TCGTGACAC AGCGGAACTT CTACGAGCCC CAGATCATCA 3400
CCACCGACAA CACCTTCGTG TCTGGCAACT GCGACGTCGT GATCGGCATT
GTGAA CAATA CCGTGTACGA CCCTCTGCAG CCGGAGCTGG ACAGCTTCAA 3500
AGAGGAAC TG GACAAGTA CT TTAAGAACCA CA CAAGCCCC GACGTGGACC
TGGGCG ATAT CAGCG GAATCA AATGCCAGCG TCGTGAACAT CCAGAAAGAG 3600
ATCGACCGGC TGAACGAGGT G GCCAAGAAT CTGAA CGAGA GC CTGATCGA
CCTGCAAGAA CTGGGGAAGT AC GAGCAGTA CATCAAGTGG CCCTGGGTACA 3700
TCTGGCTGGG CTTTATCGCC GGACTGATTG CCATCGT GATGGT CACAAT C
ATGCTGT GTT GC ATGACCAG CTGCTGTAGC TGCCTGAAGG GCTGTTGTAG 3800
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AGGGCGTG AA ACTGCAC TAC ACATGATGAC TCGAGCTGGT ACTGCATGCA 3900
CGCAATGCTA GCTGCCCTT TCCCGTCCTG GGTACCCCGA GTCTCCCCCG
ACCTCGGGTC CCAGGTATGC TCCACCTCC ACCTGCCCA CTCACCACCT 4000
CTGCTAGTTC CAGACACCTC CCAAGCACGC AGCAATGCAG CTCAAACGC
TTAGCCTAGC CACACCCCA CGGGAAACAG CAGTGATTAA CCTTTAGCAA 4100
TAAACGAAAG TTTAACTAAG CTATACTAAC CCCAGGGTTG GTCAATTTG 4150
TGCCAGCCAC ACCCTGGAGC TAGCAAAAAA AAAAAAAAAA AAAAAAAAAA
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AAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAAA