

pUC57-Kana

TIGGCGGGTG TCGGGGCTG CTTAACTATC CGGCATCAGA GCAGATCGTA CTGAGAGTGC 121 TTGGCGGGTG TCGGGGCTG CTTAACTATC CGGCATCAGA GCAGATTGTA CTGAGAGTGC 121 ACCATATGCG GTGTGAAATA CCGCACAGAT GCGTAAGGG AAAATACCCC ATCAGGCGCC 121 ATCGCCACT CAGGCTGCCG ACCTGTGGG AAAGGCGATC GGTGGGGGCC TCTTCGCTAT 122 TACCCCACCT GCGAAAGGG GGATGTGCTG CAAGGCGATT AAGTTGGGTA ACGCCACGGGT 123 TTTCCCAGTC ACGACGTTCT AAAACGACG CCACAGAATT CGAGCTGCGT ACCTCGCCAA 124 TACATCTAGA TATCGGATCC CGGGCCCGTC GACTGCAGAG GCCTGCATC ACCTCGCCAA 125 TAATGATGGT CATAGCTGTT TCCTGTGTGA AATTGTATC CGCCCACAGT TCCACACAC 126 TAATGATCGG CAAGCGCC GGGGGAGGGC GACTGCAGAG GCTGCATC CAAGCTGGT 127 TAATGAGT TGCGCTCACT CCCCGTTTC CAGTGCGGA ACCTGTCGT CAAGCTGCT 128 TAATGAATCG GCCAACGCCC GGGGAGAGC GGTTGCGTA TTGGGGTCC TTCCGCTAC 129 TCGGTCACTG GCCAACGCCC GGGGAGAGC GGTTGCGTA TTGGGGGTC TCCCGCTTC 120 TCGGTCACTG ACCGCCC GGGGAGAGC GGTTGCGTA TTGGGGGTC TCCCGCTTC 121 TCGCTCACTG ACCGCCC GGGGAGAGC GGGAAACAC CAGGAAAAAA CATGTCACA 122 AAAGGCCGA AAAGGCCAC GAGCAAATC GGGGATAAC CAGGAAAAAA CATGTCACA 123 AAAGGCCAC AAAAGGCCAC GAGCAATC CGCGCAAACAC CAGGAAAAAA CATGTGACCA 124 AAAGGCCAC CAAAAGACCAC GCGTTTCCC CTGGGAGC CCCTCGTGCC 125 CCCACCCCC CGACGAGCA TCACAAAAAT CAACGTCACA GTCASAGAG CATCTCACTT 1201 CCCACCCCC CGCTTACCGG AAACCCTCAC GCTTTCCCC CTTCGGGAA CCTCGTTT 1201 CCCACCCTC CGCTTACCGG AAACCCTCC CCTTTTCCC CTTCGGGAA CCTCTCTTT 1201 GAGTCAAC CGCTTACCGG AAACCCTCTC CTTTCGGCAA CTTCCCTT 1201 GAGTCAACC CGGTAAGACA CGACTTATCG CCCTTTCCCT CTTCGGGAAA CAACCCCTT 121 TCCATAGCT AAGCACACCCCTT TCAGCCCAC CGCTTCCCTT CCTCCTCGTGC TAACCAGATT 121 TCCATAGCT AACCCACTTACCG CACTTATCG CCATTGCGC TAACCAGCCT 122 TACACTAGAA GAACCATAT TCGATTACG CACTTTCCCT CAACAGCTTC CAACAGCAC CAACACCAC GAGAACAA AACACCACTTAC AACACACCCA TAACTACGC 122 TACACTAGAA CACCCCCTT CAACACACAC ACCACCGCTG AACCCACTGC TAACTACCAC 122 TACACAAACA CAACACCATA AAAAAAA GGATCTTTAA AATTCCCCT CAACACACTAC AACACACAC	1	TCGCGCGTTT	CGGTGATGAC	GGTGAAAACC	TCTGACACAT	GCAGCTCCCG	GAGACGGTCA
ACCATATGGG GTGTGAAATA CGGCACAGAT GGGTAAGGAG AAAATACCGC ATCAGGCGCC ATTAGCCCATT CAGGCTGGC AACTGTTGGG AAGGGGATC GGTGGGGCC TCTTCGCTAT TACGCCAGCT GGCGAAAGGG GGATGTGCTG CAAGGCGATT AAGTTGGGTA ACGCCAGGGT TTTCCCAGTC ACGCGTTCT AAAACGACGG CCACAGAATT CGAGCTCGGT ACCTCGCGAA TACATCTAGA TATCGGATCC CGGGCCCGTC GACTGCAGAG GCCTGCACACACACACACACACACACACACACACACACAC	61	CAGCTTGTCT	GTAAGCGGAT	GCCGGGAGCA	GACAAGCCCG	TCAGGGCGCG	TCAGCGGGTG
TATOGCCATT CAGGCTGCC AACTGTTGGG AAGGGCGATT AGTTGGGTA ACGCCAGGT TATCCCAGTC GCGAAAGGG GGATGTGCTG CAAGGCGATT AGTTGGGTA ACGCCAGGT TTTCCCAGTC ACGCCATCT AAAACGACGG CCAGAGAATT CGAGCTCGGT ACCTCGCGAA TACATCTAGA TATCGGATCC CGGGCCCCTC GACTGCAGAG CCCTGCATAC AACCTGCTGA TAATCATGGA TATCGGATCT TCCTGTGTGA AATTGTTATC CGCTCACAAT TCCACACAAC ATACGAGCCG GAAGCATAAA GTGTAAAGCC TGGGGTGCCT AATGATGAG CTAACTCACA TACAGACCG GAAGCATAAA GTGTAAAGCC TGGGGTGCCT AATGATGAG CTAACTCACA CAACACAC TAATGAATCG CCCACCCCC GGGCCCCGTTC CAGTCGGAA ACCTGTGGG CTACACCACA CAACACAC TAATGAATCG CCCACCCCC GGGGAGAGGC GGTTTGCGTA TTGGGCGCTC TCCGCTTCC TCGCTCACTG ACCCGCTGC CCCGCTTTC CAGTCGGAA ACCTGTCGTG CAGCTCACACA AAGGCCGTAA TACGGTTATC CACAGAATCA GGGGATAACG CAGGAAAGAA CATGTGAGCA AAAGGCCAGC AAAAGCCAG GAACCGTAAA AAGGCCCCCT TGCTGGCGTT TTTCCATAGG CCCGCCCCC CTGAACGCAG CACACAAAATA CAGCCCCCT TGCTGGCGTT TTTCCATAGG CCCGCCCCC CTGAACGCAG CACACAAAATA CAGCCTCAA GTCAAGAGGT GCGAAACCCG ACAGGACTAT AAAGATACCA GGCGTTTCCC CCTGGAAGCT CCCTCCTGTGC CCTCCCCCC CTGAACGCAG ATACCTGTCC CCTTGGAAGCT CCCTCCTGTT CCGACCCTGC GCTTAACGGA ATACCTGTCC CCTTGGAAGCT CCCTCCTGTGC TCCTCCTCTT CCGACCCTGC GCTTAACGGA ATACCTGTCC GCCTTTCCC CTTCGGGAG CTCTCCTCTT CCGACCCTGC GCTTACCCG ATACCTGTC CCTCTGAAGCT CCCTCGGAAG CTGGCGCTT CCGACCCTGC GCTTACCCG ATACCTGTC CCCTCGTAGGC CCTCTCCTTT CCGACCACCC GGTAAGACA CGACTTATCG CCCTCGCCCT TATCCGGTAA CTATCCGTTC CGACCACCG GCTTACCCG ATACCTGTC CCGCTGCGCCT TATCCGGTAA CTATCCGTCT CAGACCACCA GACTTACAGG CAGCTTACA GAGTTCTCAA AGCACTCTC CAACCACCAC GACTAGACA CACCCCGT CCCCTCTGCAA CTATCCGCTC CAACCACCACA AACACACAA ACCACCCGCT TATCCGGTAA CTATCCGCCT CAACCACCACA AACACACAAAAAAA CACCACCGCCT GTAGCGGGG TTTTTTTTTT	121	TTGGCGGGTG	TCGGGGCTGG	CTTAACTATG	CGGCATCAGA	GCAGATTGTA	CTGAGAGTGC
TACOCCAGET GEGEAAAGGG GGATGTGCTG CAAGGCGATT AAGTTGGGTA ACCCCAGGAA 11 TTCCCAGTC ACGACGTTGT AAAACGACGG CCAGAGAATT CGAGCTCGGT ACCTCGCGAA 121 TACATCTAGA TATCGGATCC CGGGCCCGTC GACTGCAGAG GCCTGCAGCA ACCTTGGTG 181 TAATCATGGT CATAGCTGTT TCCTGTGTGA AATTGTTATC CGCTCACAAT TCCACACAC 181 TAATCATGGT CATAGCTGTT TCCTGTGTGA AATTGTTATC CGCTCACAAT TCCACACAC 181 TAATTGCGT TGCGCTCACT GCCCCCTTTC CAGTCGGGAA ACCTTGCTG CCAGCTCCAC 181 TAATTGCGT TGCGCTCACT GCCCCCTTTC CAGTCGGGAA ACCTGTCGTG CCAGCTCCAC 181 TAATGAATCG GCCAACGCGC GGGGGAGGG GGTTTGCGTA TTGGGCGCCT TTCCGCTTCC 181 AAGGCGGTAA TACCGTTATC CACAGAATCA GGGGATACG CAGCAGAACA ACTGTGAGC 181 AAAGGCCAGC AAAAGCCCAG GAACCGTAAA AAGGCCCGGT TGCTGGCGTT TTTCCATAGG 181 AAAGGCCAGC AAAAGCCCAG GAACCGTAAA AAGGCCCGCT TGCTGGCGTT TTTCCATAGG 181 ACAGGACTAT AAAGATACCA GGCGTTTCC CCTGGAAGCT CCTCGGCGCT 181 CCCGCCCC CTGACGAGCA TCACAAAAAT CGACGCCTCAA GTCAGAGGA CATGTGAGCA 181 ACAGGACTAT AAAGATACCA GGCGTTTCC CTGGAAGCT CCTCCTGTG 182 CCCACCCTGC CCCTTACCGG ATACCTGTCC CCTTGGAAGCT CCTCCTGTT 183 TCTCATAGGT CACGCTGTAG GTATCTCAGT TCGGTGAGG TCGTTCGCTC CAAGCTGGGC 181 TGTGTGCACG AACCCCCCCT TCACCCCGAC CCCTGTGCGCCT TATCCGGTAA CTATCGTCTT 186 TGTGTCACAG ACCCCCCCT TCACCCCGAC CGCTGCGCCT TATCCGGTAA CTATCGTCTT 186 GAGCACACGA GGATTATGAG CGCTGCTACA GAGCACTGG TAACCAGGAT 181 TGCAAGACGA GGATTATGAG CGCTGCTACA GAGCACTGG TAACCAGGAT 182 TACACTAGAA GAACAGTATT TGGTATCTCAG CGCTGCGCC TATCCGGTAA CTATCGTCTT 186 TGCAAGACGA GGATTATCGC CACACGACAA ACCACGCCG GAGCACTGG TAACCAGGAT 181 TGCAAGAGGA GGATTACGCG CAGCACAACAA ACCACGCCG GTAGCGCTG TAACCAGGAT 181 TGCAAGACGA AGATTACGC CAGCACAAAAAA CCACCGCTG GAGCACTGG TAACCAGGATA 181 AGCAGAGAGA CTTTGATC CGGCAAAAAAA ACCACCGCTG GAGCACTGA TAACCAGGATA 181 ACCACAGAGA ACCACAGAAAAA TCACCCCTATAG AAGACTCTT GATCTTTTCT 181 TCCAAAAAGGA TCTTCACCTA GACCCACAAAAAAA TCACACTTTAA AATCAAACCAA TCTTGAATAA AAAACCATAT AAAACCAA TCTGGCTAAAAATTAACAA TCTAAGAGAAAC TCCCGTTAAGA AAAAACCAA TCTGGAGAAAAA ACCACGAGGAA TAACCAAAAAAACAA TCTGGAGAAAAC CACACAGAAAAAACAA TCCGGCGAAAAAAACA TCTGGAGAAAAAAAACAA TCTGGAGAAAAAAAAAA	181	ACCATATGCG	GTGTGAAATA	CCGCACAGAT	GCGTAAGGAG	AAAATACCGC	ATCAGGCGCC
TITCCCAGTC AGACGTTGT AAAACGACGG CCACAGAATT CGAGCTCGGT ACCTCGGGAA 121 TACATCTAGA TATCGGATCC CGGGCCCGTC GACTGCAGAG GCCTGCATGC AAGCTTGGTG 122 AATCCAAGGC CATAGCTGTT TCCTGTTGTA AATTGTTATC CGCTCACAAT TCCACACAC 123 ATACGAGCCG GAAGCATAAA GTGTAAAGCC TGGGTGCCT AATGAGTGAG CTAACTCACA 124 ATACGAGCCG GAACGCGC GGGGAGAGGC GGTTTGCGTA ATTGGGCGCTC TTCCGCTTCC 125 TCGCTCACTG ACTCGCTCCC CTCGGTCGTT CGGCTGCGGA ACCTGTGGT CCAGCTGCAT 126 TCGCTCACTG ACTCGCTCCC CTCGGTCGTT CGGCTGCGC GAGCGGTATC AGCTCACTCA 127 TCGCTCACTG ACTCGCTCCC CTCGGTCGTT CGGCTGCGC GAGCGGTATC AGCTCACTCA 128 AAGGCCGGCA ATACGGTTATC CACAGAACA CGGGGATAACG CAGGAAAGAA CATGTGAGCA 129 CTCCGCCCCC CTGACGAGCA GAACCGTAAA AAGGCCGCT TGCTGGGGTT TTCCATAGG 120 CTCCGCCCCC CTGACGAGCA TCACAAAAAT CGACCGCTCAA GTCAGAGGTG GCGAAACCCG 121 CCGACCCTC CGCTTACCGG ATACCTGTCC CCTGGAGACT CCCTCGTGCC CTTCCTGTT 1221 CCGACCCTC CGCTTACCGG ATACCTGTCC CCTGCAGAGCT CCCTCGTGCC CTCTCCTGTT 1221 CCGACCCTC CGCTTACCGG ATACCTGTC GCCTTTCCC CTTCCGGAAG CCTGCGCCTT 1221 TCCATAGCT CACGCTGTAG GTACTCAGT TCGGTGAGG TCGTTCCTCTT 1221 TGTGTGCACG AACCCCCCGT TCAGCCCGAC CGCTGCGCCT TATCCGGTAA CTATCGTCTT 1221 GAGTCCAACC CGGTAAGAAC CGACTTATCG CCACTGGCAG CAGCACTGG TAACAGGATT 1221 TACACTAGAA GAACACTCCCGT TCAGCCCGAC CGCTGCGCCT TATCCGGTAC CTTCGGAAA 1321 TACACTAGAA GAACAGTATT TGGTTATCG CCCTCTGTGA AGCCACTGG TAACAGGATT 1321 TACACTAGAA GAACAGTATT TGGTTATCG CCTCTGTGA AGCCACTGC TATCTGGCC 1321 TACACTAGAA GAACAGTATT TGGTATCTG CCTCTGCTAA AGCCACTTAC CTCCGGAAAA 1381 AGAGTTGGTA GCTCTTGAC CGGCAAAAAA GCACCCGCT GACCGTTAC CTTCGGAAAA 1381 AGAGTTGGTA GCTCTTGAC CGGCAAAAAA GCACCCGTG TAACAGGCCT 1441 TGCAAGCAG AGATTACAGC CAGAAAAAAA GAACCCTTAA GAGTCCTT GATCTTTTCT 1441 TGCAAGCAG AGATTACTAC AGACAAAAA ACACCCGTG TAACAGGCATAAA 1381 ACAGTTGGA AGCCTCAGTG GAACAGAAA TCACCCGTG TAACAGGCACAAAA 1381 ACAGGTTGGTA CCCTCTACACTA GAACCAAAAAA GAACCCTTTAGA GAACTCTTT CACAGAAAAAAAAAA	241	ATTCGCCATT	CAGGCTGCGC	AACTGTTGGG	AAGGGCGATC	GGTGCGGGCC	TCTTCGCTAT
TACATCTAGA TATCGGATCC CGGGCCCGTC GACTGCAGAG GCCTGCATGC AAGCTTGGTG AAT TACATCGT CATAGCTGTT TCCTGTGTA AATTGTTATC CGCTCACAAT TCCACACAC TAATCAGGCC GAAGCATAAA GTGTAAAGCC TGGGGTGCCT AATGAGTGG CTAACTCACA TACAGAGCCG GAAGCACCAC GCCCGCTTTC CAGTCGGGAA ACCTGTCGTG CCAGCTGCAT TAATTGCGT TGCGCTCACT GCCCGCTTTC CAGTCGGGAA ACCTGTCGTG CCAGCTGCAT TAATGAATCG GCCAACGCGC GGGGAGAGGC GGTTTGCGTA TTGGGCGCTC TTCCGCTTCC TCCCTCACTG ACTCGCTCGC CTCGGTGCTT CGGCTGCGC GAGGGATAAC ACCTGTCACA AAAGGCCAGA ATACGGTTATC CACAGAATCA GGGGATAAC CAGGGAAAGAA CATGTGAGCA AAAGGCCAGC AAAAGGCCAG GAACCGTAAA AAGGCCGCT TGCTGGCGTT TTTCCATAGG CTCCGCCCCC CTGACGAGCA TCACACAAAAT CGACGCTCAA GTCAGAGGTG GCGAAACCCG ACAGGACTAT AAAGATACCA GGCGTTTCCC CCTGGAAGCT CCCTCGTGCC CCTCTCTTT CCCACCCCCC CGACGAGCA TCACACAAAAT CGACGCTCAA GTCAGAGGTG GCGAAACCCG CCGACCCTCC CGGTTACCGG ATACCTGTCC CCTGTGAGGGT GCGAACCCG CCCACCCTCC CGGTTACCGG ATACCTGTCC CCTGTGAGGGT GCGAACCCG CCGACCCTCC CGGTTACCGG ATACCTGTCC CCTGTGAGGGT CCCTCGTTCT CCGACCCTCC CGGTTACCGG ATACCTGTCC CCTGTGCGCCT TATCCGGAAC CGTGGCGCTT CAGACCACGC CGGTTAACAC GGCTTATCC CCTTCGGAACC TATCCGGCAC TACTAGGCC CGGTAAGAAC CGACTTATCG CACTGGCCCT TATCCGGTAA CTACCGGC AGCACAGGA GGTATGTAGG CGGTGCTCACA GAGTTCTGA ACTGGGCC TAACTACGGC AGCACAGCAC GGTAAGAAC CGACTTATCG CACTGGCAG CAGCACTGG TAACAGGATT CACACAGAAC AGACACATATT TGGTATCTGC CCTCTGCTAA ACGACCACTG TAACAGGATT ACACTAGAA GAACAGTATT TGGTATCTGC CCTCTGCTAA ACGACCACTTA CTTCTGGAAAA AGGGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCT GTACGGCTG TTTTTTTTTT	301	TACGCCAGCT	GGCGAAAGGG	GGATGTGCTG	CAAGGCGATT	AAGTTGGGTA	ACGCCAGGGT
TANTCATGGT CATAGCTGTT TCCTGTGTGA AATTGTTATC CGCTCACAAT TCCACACAC ATACGAGCCG GAAGCATAAA GTGTAAAGCC TGGGGTGCCT AATGAGTGAG CTAACTCACA CTAATTGCGT TGCGCTCACT GCCCGCTTTC CAGTCGGGAA ACCTGTCGT CCAGCTGCAT TTAATTGCGT TGCGCTCACT GCCCGCTTTC CAGTCGGGAA ACCTGTCGT CCAGCTCCAT CTAATGAATCG GCCAACGCGC GGGGAGAGGC GGTTTGCGTA TTGGGCGCT TTCCGCTTCC TCGCTCACTG ACTCGCTGCG CTCGGTCGTT CGGCTGCGC GAGCGGTATC AGCTCACTCA AAGGCCGGC AAAAGGCCAG GAACCGTAAA AAGGCCGCGT TGCTGGGGTT TTTCCATAGG CTCCGCCCCC CTGACGAGCA TCACAAAAAAT CGACGCTCAA GTCAGAGGGG CTTCCCTGTT CCGACCCCC CTGACGAGCA TCACAAAAAAT CGACGCTCAA GTCAGAGGG CTCTCCTGTT CCGACCCTGC CGCTTACCGG ATACCTGTCC CCTTGCAGACC CCTCTCTGCC CTTCCTGTT CCGACCCTGC CGCTTACCGG ATACCTGTCC CCTTGCGCC TTTCCGGAGAC CTTCCCTGTT CCGACCCTGC CGCTTACCGG ATACCTGTCC CCTTTCCC CTTCGGGAG CGTGGCCTT CAGTGGACCAC CAGCTGTAG GTATCTCAGT TCGGTGTAG TCCGTCTAC CAAGCTGGCC AGCTCCACAC CGGTAAGACA CACCCCCCT TCAGCCCCC TAACCAGCTC AGCACAGCAG ACCCCCCCT TCAGCCCGAC CGCTGCGCCT TATCCGGTAA CTACCGGTT CAGCACAGCAG AGCACCACCGT TCAGCCCGAC CGCTGCGCCT TATCCGGTAA CTAACAGCTC AGCACAGCAG AGACTACTATCG CCACTGGCAG CAGCCACTGG TAACAGCATT AACACTAGAA GAACAGTATT TGGTATCTGC CACTTGGCAG CAGCCACTGG TAACAGCAT AGCAGAGCGA GAATAGTAGG CGGTGCTACA GAGTTCTTGA AGCCACTGTA CTTTCGGAAAA AGGTTGGTA GCCTCTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTG TTTTTTTTTT	361	TTTCCCAGTC	ACGACGTTGT	AAAACGACGG	CCAGAGAATT	CGAGCTCGGT	ACCTCGCGAA
ATACGAGCCG GAAGCATAAA CHGTAAAGCC TGGGGTGCCT AATGAGTGAG CTAACTCACA TTAATTGCGT TGCGCTCACT GCCCGCTTC CAGTCGGGAA ACCTGTCGT CAGCTGCAT TAATGAATCG CCCAACCGC GGGGAGAGGC GGTTTGCGTA TTGGGCGCT TTCCGCTTCC TCGCTCACTG ACTCGCTGC CTCGGTCGTT CGGCTGCGC GAGCGGTATC AGCTCACTCA TCGCTCACTG ACTCGCTGC CTCGGTCGTT CGGCTGCGC GAGCGGTATC AGCTCACTCA AAGGCCAGC AAAAGGCCAG GAACCGTAAA AAGGCCGGT TGCTGGCGT TTTCCATAGG CTCCGCCCC CTGACGAGCA TCACAAAAAT CGACGCTCAA GTCAGAGGG GCGAAACCG ACAGGACTAT AAAGATACCA GGCGTTTCCC CCTGGGAGCT CCTCGTGCG CTCTCCTGTT CCGACCCTCC CGCTTACCG ATACCTGTC GCCTTTCTCC CTTCGGGAAG CGGGGCTT CTCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAG TCGTCGCTC CAACCTGGG TAACTGGCTT CAGAGCACTA CACGCTGTAG GTATCTCAGT TCGGTGTAG TCGTCTCCC CAACCTGGGC TAACCAGGCTT CAGAGCACAC CGGTAAGCA CGACTTATCG CCACTGCGC TATCCGGTAA CTATCGGTT CAGACCACC CGGTAAGACA CGACTTATCG CCACTGCGC TACCGGTAA CTACTGGTT CAGACCACC CGGTAAGACA CGACTTATCG CCACTGCGC TACCAGGACT CAGCCACCCTG TCAGCCCGA CGCTTACAG AGCCACCTG TAACCAGGAT CACCACACACACACA CGACTTATCACT CCACTGCCCA CACCACTGC TAACCAGGAT CACCACACACACA CAGCTTATCAC CCACTGCCCA CACCACTGC TAACCAGGAT CACCACACACACA CAGCACTATT TGGTATCTGC CCACTGCCCA AGCCACTGG TAACAGGAT CACCACACACA GACCACCACACA CAGCACACAA ACCACCCCTG GAACCACACAA CACCACTGAA GAACCACCACTTT TGGTATCTGC CCACTGCCTA AGCCACTTAC CTACTACGGC CAGCAAAAAAA GCACCCCCT TACCGGAAAAAAA CCACCCGCTG GTAGCGGTGG TTTTTTTTTT	421	TACATCTAGA	TATCGGATCC	CGGGCCCGTC	GACTGCAGAG	GCCTGCATGC	AAGCTTGGTG
THANTIGUET TGCGCTCACT GCCGCTTTC CAGTGGGGAA ACCTGTCGTG CAGCTGCATC TAATGAATCG GCCAACGCG GGGGAGAGGC GGTTTGCGTA TTGGGCGCTC TTCCGCTTCC TCGCTCACTG ACTCGCTGCC CTCGGTCGTT CGGCTGCGGC GAGCGGTATC AGCTCACTCA AAGGCCAGC AAAAGGCCAG GAACCGTAAA AAGGCCGCT TGCTGGCTT TTTCCATAGG CTCCGCCCC CTGACGAGCA TCACAAAAAT CGACGCTCAA GTCAGAGGT GCGAAACCCG ACAGGACTAT AAAGATACCA GGCGTTTCCC CCTGGAGAGCT CCCTCGTGCG CTCTCCTGTT CCGACCCTC CGCTCCC CTGACGAGCA TCACAAAAAT CGACGCTCAA GTCAGAGGT GCGAAACCCG GAACCCTG CGCTTACCGG ATACCTGTCC CCTGGAGAGCT CCCTCGTGCG CTCTCCTGTT CCGACCCTC CGCTTACCGG ATACCTGTCC GCCTTTCTCC CTTCGGGAAG CGTGGCGCTT CCGACCCTC CAGCCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCT CAAGCTGGGC TATCCGGCAC CAGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCT CAAGCTGGGC TATCCGGCAC CAGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCT CAAGCTGGCC TACTAGGCC AAGCTGGCAC CAGCTGTAG GTATCTCAGT TCGGTGAGG TATCCGGTAA CTATCGGCTT CAGCCCACC CGGTAAGACA CGACTTATCG CACCTGGCAG CAGCCACTGG TAACCAGGAT CAGCAGACCA AACCCCCCGT TCAGCCCCGAC CGCTGGCAC CAGCCACTGG TAACCAGGAT CACCACACAC AGCTCAACA CACCTCACA GACTTCTCA AGCCCACTGG TAACCAGGAT CACCACACACA CACCTCAGTA GACCTCTCTCC GCTCTCTCA AGCCACTTAC CTCGGAAAA AGACTGTAA AGACAGTATT TGGTATCTCC GCTCTCCTCA AGCCACTTAC CTCGGAAAA AGACTTGTA ACACCACACA ACCACCACCTG GTAGCGGTGG TTTTTTTTTT	481	TAATCATGGT	CATAGCTGTT	TCCTGTGTGA	AATTGTTATC	CGCTCACAAT	TCCACACAAC
TARTGARTOG GCCAACGCGC GGGGAGAGGC GGTTTGCGTA TTGGGGGCTC TTCCGCTTCC TCGCTCACTG ACTCGCTGCG CTCGGTCGTT CGGCTGCGC GAGCGGTATC AGCTCACTCA AAGGCCGCA ACACGCTAC CACAGAATCA GGGGATACAC CAGGAAAGAA CATCTGAGCA AAAGGCCACC AAAAGGCCAG GAACCGTAAA AAGGCCGCT TGCTGGCGTT TTTCCATAGG CTCCGCCCC CTGACGAGCA TCACAAAAAT CGACGCTCAA GTCAGAGGTG GCGAAACCCG ACAGGACTAT AAAGATACCA GGCGTTTCCC CCTGGAGAGCT CCCTCGTGCG CTCTCCTGTT CCGACCCTGC CGCTTACCGG ATACCTGTCC GCCTTCTCC CTTCGGGAAG CGTGGCGCTT CCGACCCTGC CGCTTACCGG ATACCTGTC GCCTTCTCC CTTCGGGAAG CGTGGCGCTT CTCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCT CAAGCTGGGC TATCCGTACAC CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCT CAAGCTGGCC TACCAGCCCTG CAGCTGTAG GTATCTCAGT TCGGTGAGG CAGCCACTG TAACCAGGAT CAGCAGCAC CAGCTGTAG GTATCTCAGT TCGGTGAGG CAGCCACTG TAACCAGGAT CAGCAGCAC CAGCTAGAGCA CGACTTATCG CCACTGGCAG CAGCCACTG TAACCAGGAT CACACTAGAGA GAACAGTATT TGGTATCTGC CGCTCTCTCA AGCCACTGG TAACCAGGAT CACACTAGAAA AAAACACACAAAAAAAAAAAAAAAAAAA	541	ATACGAGCCG	GAAGCATAAA	GTGTAAAGCC	TGGGGTGCCT	AATGAGTGAG	CTAACTCACA
TOGOTCACTG ACTOGOTGOG CTCGGTCGTT CGGCTGCGGC GAGCGGTATC AGCTCACTCA AGGCCGGTAA TACGGTTATC CACAGAATCA GGGGATAACG CAGAAAGAA CATGTGAGCA AAAGGCCAGC AAAAGGCCAG GAACCGTAAA AAGGCCGCT TGCTGGCGTT TTTCCATAGG CTCCGCCCCC CTGACCAGCA TCACAAAAAT CGACGCTAA CTCAGAAGGT GCGAAACCG GCTCGCCCC CTGACCAGCA TCACAAAAAT CGACGCTCAA CTCAGAGGTG GCGAAACCG GCTCGCCCCC CTGACCAGCA TCACAAAAAT CGACGCTCAA CTCAGAGGTG GCGAAACCG CCGACCCTG CGCTTACCGG ATACCTGTC CCTTGGAAGCT CCTTCGGCAA CGCTGTT CCGACCCTG CGCTTACCGG ATACCTGTC CCTTGGAAGCT CCTTCGGCAA CTGCGCCTT CTCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAG TCGTTCGCT CAAGCTGGGC TACTCAGCC AACCCCCCGT TCAGCCCGA CGCTGCGCCT TATCCGGTAA CTATCGTCTT CGGACAACC CGGTAAGACA CGACTTATCG CCACTGGCAC CAGCCACTGG TAACAGGATT CACACAACC CGGTAAGACA CGACTTATCG CCACTGGCAC CAGCCACTGG TAACAAGGATT CACACAACA GAACAGCATT TGGTATCTG CCACTGGCAC CAGCCACTGG TAACAAGGAT ACACTACAGA GAACAGTATT TGGTATCTGC GCTCTGCTGA ACCCAGTTAC CTTCGGAAAA AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT CACACAGCAG AGATTACGCG CAGAAAAAAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT CACAGAGCAG AGATTACGCG CAGAAAAAAA CCACCGCTG GTAGCGGTGG TTTTTTTTTT	601	TTAATTGCGT	TGCGCTCACT	GCCCGCTTTC	CAGTCGGGAA	ACCTGTCGTG	CCAGCTGCAT
AAGGCCGTAA TACGGTTATC CACAGAATCA GGGGATAAGG CAGGAAAGAA CATGTGAGCA AAAGGCCAGC AAAAGGCCAG GAACCGTAAA AAGGCCGCT TGCTGGCGTT TTTCCATAGG CTCCGCCCCC CTGACCAGCA TCACAAAAAT CGACGCTCAA GTCAGAGGTG GCGAAACCG CTCGGCCCCC CTGACCAGCA TCACAAAAAT CGACGCTCAA GTCAGAGGTG GCGAAACCG CTCGGCCCCC CTGACCAGCA TCACAAAAAT CGACGCTCAA GTCAGAGGTG GCGAAACCG CCGACCCTGC CGCTTACCGG ATACCTGTC CCTTGGAAGCT CCTTCGGGAAG CGTGGCGCTT CTCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCTC CAAGCTGGGC CTTCCTGTT CTCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCTC CAAGCTGGGC CAGCCACCC GACCCCCGT TCAGCCCGA CGCTGCGCCT TATCCGGTAA CTATCGTCTT CAGCACACC CGGTAAGACA CGACTTATCG CACTGGCAG CAGCCACTGG TAACAAGGATT CACACAAACC CGGTAAGACA CGACTTATCG CACTGGCAG CAGCCACTGG TAACAAGGATT CACACAAACA GACACACTATT TGGTATCTG CCCTCTGTAA ACCAGGTTAC CTTCGGAAAA AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT CACACAAGAA GAACAGTATT TGGTATCTGC GCTCTCAGA AAGATCCTTT GATCTTTCT CACAGAGCAG AGATTACGCG CAGAAAAAAA GCACCGCTG GTAGCGGTGG TTTTTTTTTT	661	TAATGAATCG	GCCAACGCGC	GGGGAGAGGC	GGTTTGCGTA	TTGGGCGCTC	TTCCGCTTCC
AAAGGCCAGC AAAAGGCCAG GAACCGTAAA AAGGCCGCGT TGCTGGCGTT TTTCCATAGG CTCCGCCCCC CTGACGAGCA TCACAAAAAT CGACGCTCAA GTCAGAGGTG GCGAAACCCG ACAGGACTAT AAAGATACCA GGCGTTCCC CCTGGAAGCT CCCTCGTGCG CTCTCCTGTT CCGACCCTGC CGCTTACCGG ATACCTGTCC GCCTTTCCC CTTCGGGAAG CGTGGCGCTT CCGACCCTGC CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCTC CAACGCTGGCC TACCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCTC CAACGCTGGCC TACCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCTC CAACGTGGCC TACCAACC CGGTAAGACA CGACTTATCG CCACTGGCAG CAGCCACTGG TAACCAGGATT CACACAACC CGGTAAGACA CGACTTATCG CCACTGGCAG CAGCCACTGG TAACAGGATT CACACAACA GAACAGTATT TGGTATCTGC CACTGGCAG CAGCCACTGG TAACAGGATT CACACAGAAA GAACAGTATT TGGTATCTGC CCTCTGCTGA AGCCACTTAC CTTCGGAAAA CACACAGAGAGCA GATTACGCC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTTTT	721	TCGCTCACTG	ACTCGCTGCG	CTCGGTCGTT	CGGCTGCGGC	GAGCGGTATC	AGCTCACTCA
CTCCGCCCC CTGACGAGCA TCACAAAAAT CGACGCTCAA GTCAGAGGTG GCGAAACCCG ACAGGACTAT AAAGATACCA GGCGTTTCCC CCTGGAAGCT CCCTCGTGG CTCTCCTGTT CCGACCCTG CGCTTACCGG ATACCTGTCC GCCTTTCCC CTTCGGGAAG CGTGGCGCTT CCGACCCTG CACGCTGTAG GTATCTCAGT TCGGTGTAG TCGTTCGCTC CAAGCTGGGC TTCCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCTC CAAGCTGGGC TTCCATAGCT CACGCTGTAG CGACTCCAGT TCAGCCCGAC CGCTGGCGCT TATCCGGTAA CTATCGTCTT CGAGCACC CGGTAAGACA CGACTTATCG CCACTGGCA CAGCCACTGG TAACAGGATT CACACAAAC GGATAGTAGG CGGTGCTACA GAGTGTTGCA CTATCGGCAAAAA CACACAGAGAGAAAAAAAAAAAAAAA	781	AAGGCGGTAA	TACGGTTATC	CACAGAATCA	GGGGATAACG	CAGGAAAGAA	CATGTGAGCA
ACAGGACTAT AAAGATACCA GGCGTTTCCC CCTGGAAGCT CCCTCGTGCG CTCTCTCTT 1021 CCGACCCTGC CGCTTACCGG ATACCTGTCC GCCTTTCTCC CTTCGGGAAG CGTGGCGCTT 1081 TCTCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCTC CAAGCTGGCC 1141 TGTGTGCACG AACCCCCCGT TCAGCCCGAC CGCTGCCGCT TATCCGGTAA CTATCGTCTT 1201 GAGTCCAACC CGGTAAGACA CGACTTATCG CCACTGGCAG CAGCCACTGG TAACAGGATT 1261 AGCAGAGCGA GGTATGTAGG CGGTGCTACA GAGTTCTGA AGTGGTGCC TAACTACGGC 1321 TACACTAGAA GAACAGTATT TGGTATCTGC GCTCTGCTGA AGCCAGTTAC CTTCGGAAAA 1381 AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT 1441 TGCAAGCAGC AGATTACGCG CAGAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTTT 1501 ACGGGGTCTG ACGCTCAGTG GAACGAAACA TCACGGTTAG GAGTTTTAG TCATCAGGCC 1521 TCAAAAAAGGA TCTTCACCTA GATCCTTTTA AATTAAAAAT GAAGTTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACAACC AATTAACCAA TCCGGTTAGA GAGTTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACAACC AATTAACCAA TCCGATTAG AAAAACTCAT CGAGCATCAA 1681 ATGAAACTGC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGGAAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAT 1881 AAGGTTATCA AGTGGAAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAT 1981 ACCTGGCATC ACCAAACCGT TATTCATTCG TGATTGGCC TGAGCGAGC CATCAAAAATC 1981 ACCTGCATCA ACCAAACCGT TATTCATTCG TGATTGGCC TGAGCGAGA GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATCC TCTAAAAATC 2101 CAGCGCATCA ACAAATATTT CACCTGAATC AGGATATCT TCTAATACCT GGAATACCGC 2101 CAGCGCATCA ACAATATTT CACCTGAATC AGGATATCT TCTAATACCT GGAATACCTC 221 GATGGTCGGA AGAGCATAA ATTCCATCAT GAGATATCT TCTAATACCT GGAATACCTC 2221 GATGGTCGGA AGAGCATAA ATTCCGTCT CACCAATTT CAGACCACT TACCACTCT CATCTATACC 2231 ATCATTGGCA ACGCTACCTT TGCCATGTT CAGAAACAAC TCTGGCCAC TAAAATGCTT 2231 ATCATTGGCA ACGCTACCTT TGCCATGTT CAGAAACAAC TCTGGCCCA TTAACCTCT CATCTGTAAC 2341 ATCATTGGCA ACGCTACCTT TGCCATGTT CAGAAACAAC TCTGGCCAC TAATATACCC 2341 ATCATTGGCA ACGCTACCTT TGCCATGTT CAGAAACAAC TC	841	AAAGGCCAGC	AAAAGGCCAG	GAACCGTAAA	AAGGCCGCGT	TGCTGGCGTT	TTTCCATAGG
CCGACCCTGC CGCTTACCGG ATACCTGTCC GCCTTTCTCC CTTCGGGAAG CGTGGCGCTT 1081 TCTCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCTC CAAGCTGGCC 1141 TGTGTGCACG AACCCCCCGT TCAGCCCGAC CGCTGCGCCT TATCCGGTAA CTATCGTCTT 1201 GAGTCCAACC CGGTAAGACA CGACTTATCG CCACTGGCAG CAGCCACTGG TAACAGGATT 1261 AGCAGAGCGA GGTATGTAGG CGGTGCTACA GAGTTCTTAA AGTGGTGGCC TAACTACGGC 1321 TACACTAGAA GAACAGTATT TGGTATCTGC GCTCTGCTGA AGCCAGTTAC CTTCGGAAAA 1381 AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT 1441 TGCAAGCAGC AGATTACGCG CAGAAAAAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT 1501 ACGGGGTCTG ACGCTCAGTG GAACGAAAAC TCACGTTAAG GAGTTTTAA ATCAAGCCCA 1521 ATCTGAATAA TGTTACACCA GATCCTTTTA AATTAAAAAT GAAGTTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACAACC AATTAACCAA TCCTGATTAG GAGTTTTAA ATCAAGCCCA 1681 ATGAAACTGC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAT 1861 AAGGTTATCA AGTGGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAT 1861 AAGGTTATCA ACAAACCGT TATTCATTCG TGATTGCCC TGAGCGAGC GAAAATACCGC 1921 ATCACGCATCA ACAAAACCGT TATTCATTCG TGATTGCCC TGAGCGAGA GAAAATACCGC 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATCC TATAAAATCC 2101 CAGCGCATCA ACAAAACCGT TATTCATTCG TGATTGCCC TGAGCGAGA GAAAATACCGC 2101 CAGCGCATCA ACAAATATTT CACCTGAATC AGGATATTC TCTAATACCT GGAATCCTC 2211 GATGGTCGA ACAAACATT TACAAACAG AACCGATTAT TCTAATACCT GGAATCCTC 2221 GATGGTCGA AGAGCATAA ATTCCGTCAG CCAGTTTATT CTGACCATCT CATCTGTAAC 2231 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCCCA TAAAATGCTT 2221 GATGGTCGA AGAGCATAA ATTCCGTCAG CCAGTTTTAT CCGCGACCC ATTATACCCT CATCTGTAAC 2231 ATCATTGGCA ACGTTACCTT TGCCATGTTT CAGAAACAAC TCTGGCCAC CATCTTTATACCC	901	CTCCGCCCCC	CTGACGAGCA	TCACAAAAAT	CGACGCTCAA	GTCAGAGGTG	GCGAAACCCG
TOTCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAGG TCGTTCGCTC CAAGCTGGGC 1141 TGTGTGCACG AACCCCCGT TCAGCCCGAC CGCTGCGCCT TATCCGGTAA CTATCGTCTT 1201 GAGTCCAACC CGGTAAGACA CGACTTATCG CCACTGGCAG CAGCCACTGG TAACAGGATT 1261 AGCAGAGCGA GGTATGTAGG CGGTGCTACA GAGTTCTGA AGTGGTGGCC TAACTACGGC 1321 TACACTAGAA GAACAGTATT TGGTATCTGC GCTCTGCTGA AGCCAGTTAC CTTCGGAAAA 1381 AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT 1441 TGCAAGCAGC AGATTACGCG CAGAAAAAAA GGATCTCAAG AAGATCCTTT GATCTTTCT 1501 ACGGGGTCTG ACGCTCAGTG GAACGAAAAC TCACGTTAAG GGATTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACACCC AATTAACCAA TTCTGATTAG AAAAACTCAT CGAGCATCAA 1681 ATGAAACTGC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAACCGGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGGAAAACT CACCAGAGGCA GTCCATATA ATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGGAAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAG 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCA TTACGCTCGT CATCAAAAAT 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGGCC TGAGCGAGAC GAAATACCGG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATC TACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGGCC TGAGCGAGAC GAAATACCGC 2101 CAGCGCATCA ACCAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATACCTGC 221 GATGGTCGGA AGAGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 222 GATGGTCGGA AGAGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATC CATCTGTAAC 223 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAC TCTGGCGCA TTAAAATGCTT 223 ATCATTGGCA AGGCTACCTT TGCCATGTTT CAGAAACAC TCTGGCGCA CATTTAACCCC 2341 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAC TCTGGCGCA CATTTAACCCC 2341 ATCATTGGCA AGGCTATCT TGCCATGTTT CAGACATCT CATCTGTAAC 2341 ATCATTGGCA AGGCTACCTT TGCCATGTTT CAGACATCT CTGGCGCCC ATTTAACCCC 3411 ATCAAGACGA TAGATTTTCC CACCTGTTT CAGACACTT CAGCCACTT CATCTGTAAC 2	961	ACAGGACTAT	AAAGATACCA	GGCGTTTCCC	CCTGGAAGCT	CCCTCGTGCG	CTCTCCTGTT
TGTGTGCACG AACCCCCGT TCAGCCCGAC CGCTGCGCCT TATCCGGTAA CTATCGTCTT 1201 GAGTCCAACC CGGTAAGACA CGACTTATCG CCACTGGCAG CAGCCACTGG TAACAGGATT 1261 AGCAGAGCGA GGTATGTAGG CGGTGCTACA GAGTTCTTGA AGTGGTGGCC TAACTACGGC 1321 TACACTAGAA GAACAGTATT TGGTATCTGC GCTCTGCTGA AGCCAGTTAC CTTCGGAAAA 1381 AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT 1441 TGCAAGCAGC AGATTACGCG CAGAAAAAAA GGATCCTTT GATCTTTCT 1501 ACGGGGTCTG ACGCTCAGTG GAACGAAAACA TCACGGTAAG GGATTTTGGT CATGAGATTA 1561 TCAAAAAGGA TCTTCACCTA GATCCTTTTA AATTAAAAAAT GAAGTTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACAACC AATTAACCAA TTCTGATTAG AAAAACTCAT CGAGCATCAA 1681 ATGAAACTGC AATTTATCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAG 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGGCC TGAGCGAGAC GAAATACCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGCACC TGAGCGAGAC GAAATACCGC 2101 CAGCGCATCA ACCAAACCGT TATTCATTCG TGATTGGCC TGAGCGAGAC GAAATACGCG 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATCGCTC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATGCTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT CATCTGTAAC 221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGGCCCT CATCTGTAAC 2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGGCGCCC ATTTATCCCC 2341 ATCATTGGCA ACGCTTACTT TGCCATGTT CAGAAACAAC TCTGGCGCCC ATTTATCCCC	1021	CCGACCCTGC	CGCTTACCGG	ATACCTGTCC	GCCTTTCTCC	CTTCGGGAAG	CGTGGCGCTT
GAGTCCAACC CGGTAAGACA CGACTTATCG CCACTGGCAG CAGCCACTGG TAACAGGATT 1261 AGCAGAGCGA GGTATGTAGG CGGTGCTACA GAGTTCTTGA AGTGGTGGCC TAACTACGGC 1321 TACACTAGAA GAACAGTATT TGGTATCTGC GCTCTGCTGA AGCCAGTTAC CTTCGGAAAA 1381 AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT 1441 TGCAAGCAGC AGATTACGCG CAGAAAAAAA GGATCCTAAG AAGATCCTTT GATCTTTCT 1501 ACGGGGTCTG ACGCTCAGTG GAACGAACAA TCACGTTAAG GGATTTTGGT CATGAGATTA 1561 TCAAAAAAGGA TCTTCACCTA GATCCTTTTA AATTAAAAAT GAAGTTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACAACC AATTAACCAA TTCTGATTAG AAAAACTCAT CGAGCATCAA 1681 ATGAAACTGC AATTTATCA TATCAGGATT ATCAATACCA TATTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCAGAGGA GACCGCAA TCCGGTGAGA ATGGCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAT 1871 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTCGCCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GAAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATCACTG 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATCGTG 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATCGTG 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATCGTG 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATCGTGT 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATCGTGT 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATCGTGT 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATCGTT 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT CATCTGTAAC 2221 GATGGTCGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGGCGCC ACTTCTCC 2341 ATCAATGGCA TAGATTGTCG CCCCTGATTT CAGCACATCT CATCTGTAAC	1081	TCTCATAGCT	CACGCTGTAG	GTATCTCAGT	TCGGTGTAGG	TCGTTCGCTC	CAAGCTGGGC
AGCAGAGCGA GGTATGTAGG CGGTGCTACA GAGTTCTTGA AGTGGTGGCC TAACTACGGC TACCTAGAAA TACACTAGAA GAACAGTATT TGGTATCTGC GCTCTGCTGA AGCCAGTTAC CTTCGGAAAA AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT TGTATCTCT TGCAAGCAGC AGATTACGCG CAGAAACAAA GGATCCTAG GAGCTCTTT GATCTTTCT ACGGGGTCTG ACGCTCAGTG GAACGAAAC TCACGTTAAG GGATTTTGGT CATGAGATTA TCAAAAAAGGA TCTTCACCTA GATCCTTTTA AATTAAAAAT GAAGTTTTAA ATCAAGCCCA ACTTGAATAAA TGTTACAACC AATTAACCAA TTCTGATTAG AAAAACTCAT CGAGCATCAA ATGAAACTGC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAGCCGTTT CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAC TTTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAACT TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAACC ATCGCATCA ACCAAACCGT TATTCATTCG TGATTGGCC TGAGCGAGAC GAAATACCGC ATCGCGCATCA ACCAAACCGT TATTCATTCG TGATTGGCC TGAGCGAGAC GAAACACTGC CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAACCTGC ACCGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAACCTGC CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAACCTGC CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATGCTGT CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATGCTGT CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATGCTGT CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT CATCTGTAAC CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT CATCTGTAAC CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT CATCTGTAAC CAGCGCATCA ACAATATTTT CACCTGATC CAGCTTTAGT CTGACCATCT CATCTGTAAC CAGCGCATCA ACAATATTTT CACCTGATC CAGCTTTAGT CTGACCATCT CATCTGTAAC CAGCGCATCA ACAATTTTT CACCTGATTT CAGAACAAC TCTGGCCCA TCATCTGTAAC CAGCGCATCA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC CAGAGCGCA TAGATTGTCG CACCTGTTT CAGAACAACA TCTGGCCCA ATTTATCCC	1141	TGTGTGCACG	AACCCCCCGT	TCAGCCCGAC	CGCTGCGCCT	TATCCGGTAA	CTATCGTCTT
TACACTAGAA GAACAGTATT TGGTATCTGC GCTCTGCTGA AGCCAGTTAC CTTCGGAAAA 1381 AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT 1441 TGCAAGCAGC AGATTACGCG CAGAAAAAAA GGATCTCAAG AAGATCCTTT GATCTTTCT 1501 ACGGGGTCTG ACGCTCAGTG GAACGAAAAC TCACGTTAAG GGATTTTGGT CATGAGATTA 1561 TCAAAAAGGA TCTTCACCTA GATCCTTTTA AATTAAAAAT GAAGTTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACAACC AATTAACCAA TTCTGATTAG AAAAACTCAT CGAGCATCAA 1681 ATGAAACTGC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAGT 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAACACTGC 2041 ATCGCTGTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCAATGGCA ACGCTACCTT TGCCATGTT CAGAAACAAC TCTGGCGCAT CGGCTTCCC 2341 ATCAAGGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1201	GAGTCCAACC	CGGTAAGACA	CGACTTATCG	CCACTGGCAG	CAGCCACTGG	TAACAGGATT
AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT 1441 TGCAAGCAGC AGATTACGCG CAGAAAAAAA GGATCTCAAG AAGATCCTTT GATCTTTCT 1501 ACGGGGTCTG ACGCTCAGTG GAACGAAAAC TCACGTTAAG GGATTTTGGT CATGAGATTA 1561 TCAAAAAGGA TCTTCACCTA GATCCTTTTA AATTAAAAAT GAAGTTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACAACC AATTAACCAA TTCTGATTAG AAAAACTCAT CGAGCATCAA 1681 ATGAAACTGC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAC 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAAACC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAACTACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACCAAACCGT TATTCATTCA AGGATATCT TCTAATACCT GGAATGCTGT 2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAC TCTGGCGCAT CGGGCTTCCC 2341 ATCATTGGCA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCC ATTTATACCC 2341 ATCAAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1261	AGCAGAGCGA	GGTATGTAGG	CGGTGCTACA	GAGTTCTTGA	AGTGGTGGCC	TAACTACGGC
TGCAAGCAGC AGATTACGCG CAGAAAAAA GGATCTCAAG AAGATCCTTT GATCTTTCTT 1501 ACGGGGTCTG ACGCTCAGTG GAACGAAAAC TCACGTTAAG GGATTTTGGT CATGAGATTA 1561 TCAAAAAAGGA TCTTCACCTA GATCCTTTTA AATTAAAAAT GAAGTTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACAACC AATTAACCAA TTCTGATTAG AAAAACTCAT CGAGCATCAA 1681 ATGAAACTGC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAAG 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGATCA ACAATATTTT CACCTGAATC AGGATTATCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGA AGAGCCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGGTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATCAAGAGCA TAGATTGTC CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1321	TACACTAGAA	GAACAGTATT	TGGTATCTGC	GCTCTGCTGA	AGCCAGTTAC	CTTCGGAAAA
ACGGGGTCTG ACGCTCAGTG GAACGAAAAC TCACGTTAAG GGATTTTGGT CATGAGATTA 1561 TCAAAAAAGGA TCTTCACCTA GATCCTTTTA AATTAAAAAT GAAGTTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACAACC AATTAACCAA TTCTGATTAG AAAAACTCAT CGAGCATCAA 1681 ATGAAACTGC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAGT 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACCGA TAAAATGCTT 2221 GATGGTCGGA AGAGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTT CAGAAACAAC TCTGGCGCAT CGGCCTTCCC 2341 ATCAAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCCC	1381	AGAGTTGGTA	GCTCTTGATC	CGGCAAACAA	ACCACCGCTG	GTAGCGGTGG	TTTTTTTGTT
TCAAAAAGGA TCTTCACCTA GATCCTTTTA AATTAAAAAT GAAGTTTTAA ATCAAGCCCA 1621 ATCTGAATAA TGTTACAACC AATTAACCAA TTCTGATTAG AAAAACTCAT CGAGCATCAA 1681 ATGAAACTGC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAG 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACCAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCCC ATTTATACCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCCC	1441	TGCAAGCAGC	AGATTACGCG	CAGAAAAAA	GGATCTCAAG	AAGATCCTTT	GATCTTTTCT
ATCTGAATAA TGTTACAACC AATTAACCAA TTCTGATTAG AAAAACTCAT CGAGCATCAA 1681 ATGAAACTGC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAGC 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACCAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGGA AGGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1501	ACGGGGTCTG	ACGCTCAGTG	GAACGAAAAC	TCACGTTAAG	GGATTTTGGT	CATGAGATTA
ATGACACTCC AATTTATTCA TATCAGGATT ATCAATACCA TATTTTTGAA AAAGCCGTTT 1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAG 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACAATATTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2341 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAC ATTTATACCC	1561	TCAAAAAGGA	TCTTCACCTA	GATCCTTTTA	AATTAAAAAT	GAAGTTTTAA	ATCAAGCCCA
1741 CTGTAATGAA GGAGAAAACT CACCGAGGCA GTTCCATAGG ATGGCAAGAT CCTGGTATCG 1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAG 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1621	ATCTGAATAA	TGTTACAACC	AATTAACCAA	TTCTGATTAG	AAAAACTCAT	CGAGCATCAA
1801 GTCTGCGATT CCGACTCGTC CAACATCAAT ACAACCTATT AATTTCCCCT CGTCAAAAAT 1861 AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAGG 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1681	ATGAAACTGC	AATTTATTCA	TATCAGGATT	ATCAATACCA	TATTTTTGAA	AAAGCCGTTT
AAGGTTATCA AGTGAGAAAT CACCATGAGT GACGACTGAA TCCGGTGAGA ATGGCAAAAG 1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1741	CTGTAATGAA	GGAGAAAACT	CACCGAGGCA	GTTCCATAGG	ATGGCAAGAT	CCTGGTATCG
1921 TTTATGCATT TCTTTCCAGA CTTGTTCAAC AGGCCAGCCA TTACGCTCGT CATCAAAATC 1981 ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1801	GTCTGCGATT	CCGACTCGTC	CAACATCAAT	ACAACCTATT	AATTTCCCCT	CGTCAAAAAT
ACTCGCATCA ACCAAACCGT TATTCATTCG TGATTGCGCC TGAGCGAGAC GAAATACGCG 2041 ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1861	AAGGTTATCA	AGTGAGAAAT	CACCATGAGT	GACGACTGAA	TCCGGTGAGA	ATGGCAAAAG
ATCGCTGTTA AAAGGACAAT TACAAACAGG AATCGAATGC AACCGGCGCA GGAACACTGC 2101 CAGCGCATCA ACAATATTTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1921	TTTATGCATT	TCTTTCCAGA	CTTGTTCAAC	AGGCCAGCCA	TTACGCTCGT	CATCAAAATC
2101 CAGCGCATCA ACAATATTT CACCTGAATC AGGATATTCT TCTAATACCT GGAATGCTGT 2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	1981	ACTCGCATCA	ACCAAACCGT	TATTCATTCG	TGATTGCGCC	TGAGCGAGAC	GAAATACGCG
2161 TTTTCCGGGG ATCGCAGTGG TGAGTAACCA TGCATCATCA GGAGTACGGA TAAAATGCTT 2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	2041	ATCGCTGTTA	AAAGGACAAT	TACAAACAGG	AATCGAATGC	AACCGGCGCA	GGAACACTGC
2221 GATGGTCGGA AGAGGCATAA ATTCCGTCAG CCAGTTTAGT CTGACCATCT CATCTGTAAC 2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	2101	CAGCGCATCA	ACAATATTTT	CACCTGAATC	AGGATATTCT	TCTAATACCT	GGAATGCTGT
2281 ATCATTGGCA ACGCTACCTT TGCCATGTTT CAGAAACAAC TCTGGCGCAT CGGGCTTCCC 2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	2161	TTTTCCGGGG	ATCGCAGTGG	TGAGTAACCA	TGCATCATCA	GGAGTACGGA	TAAAATGCTT
2341 ATACAAGCGA TAGATTGTCG CACCTGATTG CCCGACATTA TCGCGAGCCC ATTTATACCC	2221	GATGGTCGGA	AGAGGCATAA	ATTCCGTCAG	CCAGTTTAGT	CTGACCATCT	CATCTGTAAC
	2281	ATCATTGGCA	ACGCTACCTT	TGCCATGTTT	CAGAAACAAC	TCTGGCGCAT	CGGGCTTCCC
	2341	ATACAAGCGA	TAGATTGTCG	CACCTGATTG	CCCGACATTA	TCGCGAGCCC	

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2401 ATATAAATCA GCATCCATGT TGGAATTTAA TCGCGGCCTC GACGTTTCCC GTTGAATATG
2461 GCTCATAACA CCCCTTGTAT TACTGTTTAT GTAAGCAGAC AGTTTTATTG TTCATGATGA
2521 TATATTTTTA TCTTGTGCAA TGTAACATCA GAGATTTTGA GACACGGGCC AGAGCTGCA



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