

FIGURES

MAKRLCAGSALCVRGPRGPAPLLLVGLALLGAARAREEAGGGFSLHPPYFNLAEGARIAAASATCGEEAPARGSPR
PTEDLYCKLVGGPVAGGDPNQITRGQYCDICTAANSNAKHPASNAIDGTERWWQSPPLSRGLEYNVNTLDLGQ
VFHVAYVLIKANSRPRDLWVLERSMDFGRTYQPWQFFASSKRDCLERFGPQTLERITRDDAAICTTEYSRIVPL
ENGEIVVSLVNGRPGAMNFSYSPLLEFTKATNVRLRFLRTNTLLGHLMGKALRDPVTVTRYYYSIKDISIGGRC
VCHGHADACDAKDPTDPFRLQCTCQHNTCGGTCDRCCPGFNQQPWKPATANSANECQSCNCYGHATDCYYDPEVD
RRRASQSLDGTYYGGGVCIDCQHHTTGVCNCRCLPGFYRSPNHPLDSPHVCRRNCNESDFTDGTGCEDLTGRCYCR
PNFSGERCDCVCAEGFTGFPSCYPTPSSSNDTREQVLPAGQIVNDCSAGTQGNACRKDPVGRCLCKPNFQGTH
CELCAPGFYGPQCPCQCSSPGVADDRCDPDTGQCRCRVGFEGATCDRCAPGYFHFPLCQLCGCSPAGTLPEGCD
EAGRCLCQPEFAGPHCDRCRPGYHGFPCQACTCDPRGALDQLCGAGGLCRCPGYTGTACQECSPGFHGFPCV
PCHCSAEGSLHAACDPRSGQCSRCRVRTGLRCDTCVPGAYNFYCEAGSCHPAGLAPVDPALPEAQVPCMCRAHV
EGPSCDRCKPGFWGLSPSNPEGCTRCSCDLRGTLLGVAECQPGTGQCFCFKPHVCGQACASCKDGFGLDQADYFG
CRSCRCDIGGALGQSCEPRTGVCRCRPNTQGPTCSEAPARDHYLPDLHHLRLELEEAATPEGHAFVRFGNPLEFEN
FSWRGYAQMAPVQPRIVARLNLTPDLFWLVFRYVNRGAMSVSGRVSVREEGRSATCANCTAQSQPVAFPPSTEP
AFITVPPQRGFGEFFVLNPGTWALRVEAEGVLLDYVLLPSAYYEAALLQLRVTEACTYRPSAQQSGDNCLLYTHL
PLDGFPSAAGLEALCRQDNLPRPCPTQLSPSHPLITCTGSDVDVQLQVAVPQPGRYALVVEYANEDARQEV
VAVHTPQRAPQQGLLSLHPCLYSTLCRGRTARDTQDHLAVFHLDSVASVRLTAEQARFFLHGVTLPVIEEFSPFV
EPRVSCISSHGAFGNPNSAACLPSPRFPKPPQPIILRDCQVILPPLGLPLTHAQDLTPAMSPAGPRPRPTAVDPDA
EPTLLREPQATVVFTHVPTLGRYAFLLHGYQPAHTPFVEVLINAGRVWQGHANASFCPHGYGCRTLTVVCEGQA
LLDVTHSELTVTVRVKGRWLWLDYVLLVVPENVYSFGYLREEPLDKSYDFISHCAAQGYHISPSSSSLFCRNAAA
SLSLFYNNGARPCGCEHVGATGPTCEFFGGQCPCHAHVIGRDCSRCATGYWGFPCNCRPCDCGARLCDELGTQCIC
PPRTIPDCLLCQPFQTFGCHPLVGCCECNCSGPGIQLTDPCTDSDGQCKRPNVTGRRCDTCSPGFHGYPRCR
PCDCHEAGTAPGVCDPLTGQCYCKENVQGPCKDQCSLGTFSLDAANPKGCTRCFCFGATERCRSSSYTRQEFVDM
EGVLLSTDRQVVPHERQPGTEMLRADLRHVPFAVPEAFPELYWQAPP SYLGDRVS SYGGTLEQYELHSETSLGQDARRL
FVPMESRPDVVLQGNQMSITFLEPAYPTPGHVHRGQLQLVEGNFRHTETRTVTSREELMMVLASLEQLQIRALFS
QISSAVFLRRVALEVASPAGQGALASNVELCLCPASYRGDSCQECAPGFYRDVKGLFLGRCVPCQCHGHSRCLP
GSGVCVDCQHNTTEGAHCERCQAGFVSSRDPSAPCVSCPCPLSVPSNFAEGCVLRGGRTQCLCKPGYAGASCER
CAPGFFGNPLVLGSSCQPCDCSNGNDPNLLFSDCDPLTGACRGCLRHTTGPRCEICAPGFYGNALLPGNCTRDCD
TPCGTEACDPHSGHCLCKAGVTGRRCDRCQEGHFGFDGCGGCRPCACGPAAEGSECHPQSGQCHCRPGTMGPQCR
ECAPGYWGLPEQGCRRQCPCGGRCDPHTGRCNCPGLSGERCDCSQQHQVPVPGGPVGHSHICEVCDHCVLLLL
EDLERAGALLPAIHEQLRGINASMAWARLHRLNASIADLQSLRSPGLGRHETAQQLEVLQQLSETSLGQDARRL
GGQAVGTRDQASQLLAGTEATLGHAKTLLAAIRAVDRTLSELMSQTGHLGLANASAPSQEQLLRTLAEVERLLWE
MRARDLGAPQAAAEALAAARLLARVQEQLSSLWEENQALATQTRDLAQHEAGLMDLREALNRAVDATREAQE
LNSRNQERLEELQKQELSRDNATLQATLHAARDTLASVFRLLHSLDQAKEELERLAASLDGARTPLLQRMQTF
SPAGSKRLRVEAAEAHAQQQLGQLALNLSSII LDVNQDRLTQRAIEASNAYSRI LQAVQAEDAAGQALQQADHTW
ATVVRQGLVDRAQQLLANSTALEEAMLQEQQRLGLVWAALQGARTQLRDVRAKKDQLEAHIQAAQAMLAMDTDET
SKKIAHAKAVAAEAQDTATRVQSQLQAMQENVERWQGYEGLRGQDLGQAVLDAGHSVSTLEKTLFQQLLAKLSIL
ENRGVHNASLALSASIGRVRELIAQARGAASKVKVPMKFNGRSGVQLRTPRDLADLAAYTALKFYLQGPPEPGQ
GTEDRFVVMYMSRQATGDYMGVSLRDKKVHVYQLGEAGPAVLSIDEDIGEQAFAVSLDRTLQFGHMSVTVERQM
IQETKGDTPAPGAEGLLNLRPDDFVYVGGYPSTFTPPPLLRFPYRGCIEMDTLNEEVVSLYNFERTFQLDTAV
DRPCARSKSTGDPWLTDGSYLDGTGFARISFDSQISTTKRFEQELRLVSYSGLVFFLKQQSQFLCLAVQEGSLVL
LYDFGAGLKKAVPLQPPPLTSASKAIQVFLGGSRKRVLRVERATVYSVEQDNDLELADAYLGGVPPDQLPP
SLRRLFPPTGGSVRGCVKGIKALGKYVDLRLNTTGVASGCTADLLVGRAMTFHGHGFLRLALSNAVPLTGNVYS
FGFHSAQDSALLYRASPDGLCQVSLQQGRVSLQLLRTEVKTQAGFADGAPHYVAFYSNATGVWLYVDDQLQQMK
PHRGPPPELQPPQEGPPRLLLGGLPESGTIYNFSGCISNVFVQRLLPQRVFDLQNLGSVNVSTGCAPALQAQ
PGLGPRGLQATARKASRRSRQPARHPACMLPPHLRTTRDSYQFGGSLSSHLEFVGILARHRNWP SLSMHVLPSS
RGLLLFTARLRPGSPSLALFLSNGHFVAQMEGLGTRLAQSRQSRPGRWHKVSVRWEKNRI LLVTDGARAWSQE
GPHRQHQAHEHPQHTLFVGGLPASSHSSKLPVTVGFSGCVKRLRLHGRPLGAPTRMAGVTPCILGPLEAGLFFP
GSGGVITLDLPATLPDVGLELEVRPLAVTGLIFHLGQARTPPYLQLQVTEKQVLLRADDGAGEFSTSVTRPSVL
CDGQWHRLAVMKSGNVLRLEVDQAQSNHTVGPLLAAAAGAPAPLYLGGLPPEMAVQPPWPAYCGCMRLAVNRSVP
AMTRSVEVHGAVGASGCPAA

Figure 1.

MELTSRERGRGQPLPWELRLGLLLSVLAATLAQAPADVPGCSRGSYPATGDLVGRADRLTASSTCGLNGPQP
 YCIVSHLQDEKKCFCLDSRRPFSARDNPHSHRIQNVVTSFAPQRRAAWQSENGIPAVTIQLDLEAEFHFTHLIM
 TFKTFRPAAMLVERSADFGRTWHVYRYSYDCGADFPVPLAPPRHWDDVVCESRYSEIEPSTEGEVIYRVLDP
 IPIPDYSSRIQNLKITNLRLNLTGLDNLDPREIREKYYYALYELVVRGNCFYGHASECAPAPGAPA
 HAEGMVHGACICKHNTRGLNCEQCQDFYRDLPRPAPEDGHSACRKCECHGTHSCHFDMAVYLASGNVSGGVCD
 GCQHNTEGRHCELCRPFYRDPKDLRDPVCRSCDCDEMGSGDGGRCDSHDDPALGLVSGQCRCHEHVVGTRCQ
 QCRDGGFFGLSISDRLGCRRCQCNARGTVPGSTPCDPNSGSCYCKRLVTGRGCDRCLPGHWGLSHDLLGCRPCDCD
 VGGALDPQCDEGTGQCHCRQHMVGRCEQVQPGYFRPFLDHLIWEAEDTRGQVLDVVERLVTGETPSWTGSGFV
 RLQEGQTLFELVAVSPKAMDYDLLRLRLEPQVPEQWAELELIVQRPFPVPAHSLCGHLVPKDDRIQGTLPQHARYL
 IFPNPVCLEPGISYKLHLKLVRTGGSAPETPYSGPGLLIDSLVLLPRVLVLEMFSGDAAALERQATFERYQCH
 EEGLVPSKTPSEACAPLLISLSTLIYNGALPCQCNPGSLSSSECNPHGGQCLCKPGVVRCDLCPAGGYGFGP
 TGCQACQCSHEGALSSLEKTSQGCLCRTGAFGLRCDRCQRGQWGFPSCRPCVCNGHADECNTHTGACLGCRDHT
 GGEHCERCIAGFHGDPRLPYGGQCRPCPEPGPSQRHFATSCHQDEYSQQIVCHCRAGYTGLRCEACAPGHFGD
 PSRPGGRCQLCECSGNIDPMDPDACDPHTGQCLRLCHHTEGPHCAHCKPGFHGQAARQSCHRCTCNLLGTNPQQC
 PPDQCHCDPSSGQCPCLPNVQGPSCDRCAPNFWNLTSGHGQCPCACHPSRARGPTCNEFTGQCHCRAGFGGRT
 SEQELHWGDPGLQCHACDCDSRGIDTPQCHRFTGHCSCRPVSGVRCDQCARGFSGIFPACHPCACFGDWDRV
 VQDLAARTQRLQRAQELQQTGVLGAFESSFWMQEKLGIVQGVGARNTSAASTAQLVEATEELRREIGEATEH
 LTQLEADLTDVQDENFNANHALSGLERDRLALNLTLRQLDQHLDDLKHSNFLGAYDSIRHAHSQSAEAERRANTS
 ALAVPSPVNSASARHRTALMDAQKEDFNSKHMANTQALGKLSAHTHTLSLTDINELVCGAPGDAPCATSPCGG
 AGCRDEDGQPPCGGLSCNGAAATADLALGRARHTQALQRALAEGGSIILSRVAETRRQASEAQQAALDKANA
 SRGQVEQANQELQELIQSVKDFLNQEGADPDSIEMVATRVLELSIPASAEQIQHLAIAIARVRSALDVDAIILAR
 TVGDVRRAEQLQDARRARSWAEDEKQKAETVQAALAEAQAQGAIAIRGAVADTRDTEQTYQVQERMAGAE
 RALSAGERARQLDALLEALKLRAGNSLAASTAETAGSAQGRAQEAELLRGPLGDQYQTVKALAERKAQGV
 AAQARAELQRLDEARDLLQAAQDKLQRLQELEGTYEENERALESKAAQLDGLEARMRSVLQAINLQVQIYNTCQKS
 SWPGRAPNKPV

Figure 2.

MRGSHRAAPALRFRGRLLWFLAVLAAAAAAGCAQAAMDECTDEGGRRPQRCMPEFVNAAFNVTVATNTCGTPPEE
 YCVQTVGTGVTKSCHLCDAGQPHLQHGAFLTDYNNQADTTWWQSQTMLAGVQYPPSSINLTLLHGLKAFDITYVRL
 KFHTSRPESFAIYKRTREDGPWIPYQYSSGSCENTYSKANRGFIRTGGDEQQALCTDEFSDISPLTGGNVAFSTL
 EGRPSAYNFDNSPVLQEWVTATDIRVTNLRLNTFGDEVFNDPKVLKSYYYAISDFAVGGRCKNGHASECMKNEF
 DKLVCNCKHNTYGVDCCKLPFFNDRPWRRATAESAECCLPCDCNGRSQECYFDPPELYRSTGHGGHCTNCQDNTD
 GAHCERCRENFFRLGNNEACSSCHCSPVGSLSLSTQDCSYGRCSCKPGVMGDKCDRCQPGFHSLTEAGCRPCSDPS
 GSIDECNIETGRVCCKDNVEGFNCERCKPGFFNLESSNPRGCTPCFCFGHSSVCTNAVGYSVYSISSTFQIDEDG
 WRAEQRDGEASLEWSSERQDIAVISDSYFPRYFIAPAKFLGKQVLSYQNLSSFSFRVDRDRTRLSAEDLVLEGA
 GLRVSVPLIAQGNSSYPSETTVKYVFRLEADTPWRPALTPFEFQKLLNNLTSIKIRGTYSERSAGYLLDDVTLAS
 ARPGPGVPATWVESCTCPVGYGGQFCMCLSGYRRETPNLGPYSPCVLCACNGHSETCDPETGVCNCRDNTAGPH
 CEKCSGYYGDSTAGTSSDCQPCPCPGGSSCAVVPKTEKVVCTNCPTGTTGKRCELCDGDFGDFLGRNGPVRLC
 RLCQCSNDIDPNAVGNCRNLTGECCLKCIYNTAGFYCDRCKDGGFFGNPLAPNPADKCKACNCNLYGTMKQSSCN
 VTGQCECLPHVTGQDCGACDPGFYNLQSGQGCERCDCCHALGSTNGQCDIRTGQCECQPGITGQHCECEVNHFGF
 GPEGCKPCDCHPEGSLSLQCKDDGRCECREGFVGNRCDQCEENYFYNRSWPGCECPACYRLVKDKVADHRVKLQ
 ELESILIANLGTGDEMVTDAQAFEDRLKEAEREVMDLLREAQDVKDQVQNLMDRLQRVNNTLSSQISRLQINRNTIE
 ETGNLAEQARAHVENTERLIEIASRELEKAKVAAANVSVTQPESTGDPNNMTLLAAEEARKLAERHKQEADDIVRV
 AKTANDTSTEAYNLLLRTLAGENQTAFEIEELNRKYEQAQNIQDLEKQAAARVHEEAKRAGDKAVEIYASVAQLS
 PLDSETLENEANNIKMEAENLEQLIDQKLKDYEDLREDMRGKELEVKNLLEKKGTEQQTADQLLARADAALAE
 EAAKGRDTLQEANDILNNLKDFDRRVNDNKTAAEEALRKIPAINQITTEANEKTREAQQALGSAADATEAKNK
 AHEAERIASAVQKNATSTKAEARTFAEVTDLNNEVNMLKQLQEAKEKELKRKQDDADQDMMAGMASQAAQAE
 INARKAKNSVTSLLSIINDLLEQLGLDQVLDNLKLEIEGTLNKAKDEMKVSDLRKVSLENEAKKQEAAIMDY
 NRDIEEIMKDIRNLEDIRKTLPSGCFNTPSIEKP

Figure 3.

MDWVIPPISCENEGKPFKPNLVQIKSNKDEKGVFYISITGQADTPPVGVFIIERETGWLKVTEPLDRERIATY
 TLFSAVSSNGNAVEDPMEILITVTDQNDNKPEFTQEVFKGSVMEGALPGTSVMEVTATDADDVNTYNAAIAYT
 ILSQDPFELPKNMFTINRNTGVISVVTGLDRESFPTYTLVVQAADLQEGELSTTATAVITVTDNDNPPIFNPT
 TYKGQVPENEAENVITTLKVTDADAPNTPAWEAVYTIINDGGQFVVTNPNVNDGILKTAKGLDFAKQYIILH
 VAVTNVVPFEVSLTTSTATVTVDVLDVNEAPIFVPEKRVESDFGVGQEITSYTAQEPDTFMEQKITIYRIWRD
 TANWLEINPDTGAI STRAELDREDFEHVKNSTYALI IATDNGSPVATGTGTLILLISDVNDNAPIPEPTIFFC
 ERNPKPQVINIIDADLPNTPSPFTAELTHGASANWTIQYNDPTQESIILKPKMALEVGDYKINLKLMDNQNKDQV
 TTLEVSVCDCEGAAGVCRKAQPVAGLQIP

Figure 4.

CACCGCTATTGTGCGGGGGAAGATGTAGCAGCTTCTTCTCCGAACCAACCCTTTGCCTTCGGACTTCTCC
GGGGCCAGCAGCCGCCCGACCAGGGGCCCGGGGCCACGGGCTCAGCCGACGACCATGGGCTCCGTGTCCA
ACCAGCAGTTTGCAGGTGGCTGCGCCAAGGGCGGCAGAGAGGGCGCCCGAGGAGGCGCCGGAGGACGCGGC
CCGGGCGGCGGACGAGCCTCAGCTGCTGCACGGTGGGGCATCTGTAAGTGGTTCAACGTGCGCATGGGG
TTCGGCTTCCGTGTCATGACCGCCCGCGCGGGGTGCGCTCGACCCCCAGTGGATGTCTTTGTGCACC
AGAGTAAGCTGCACATGGAAGGGTTCCGGAGCTTGAAGGAGGGTGAGGCAGTGGAGTTCACCTTTAAGAA
GTCAGCCAAGGGTCTGGAATCCATCCGTGTCACCGGACCTGGTGGAGTATTCTGTATTGGGAGTGAGAGG
CGGCCAAAAGGAAAGAGCATGCAGAAGCGCAGATCAAAGGAGACAGGTGCTACAACGTGGAGGTCTAG
ATCATCATGCCAAGGAATGCAAGCTGCCACCCAGCCCAAGAAGTGCCACTTCTGCCAGAGCATCAGCCA
TATGGTAGCCTCATGTCCGCTGAAGGCCCAGCAGGGCCCTAGTGCACAGGGAAAGCCAACCTACTTTTTCGA
GAGGAAGAAGAAGAAATCCACAGCCCTACCCTGCTCCCGGAGGCACAGAATTGAGCCACAATGGGTGGGG
GCTATTCTTTTGTATCAGGAAGTTTGGAGGAGCAGGCAGAGTGGAGAAAGTGGGAATAGGGTGCATTGG
GGCTAGTTGGCACTGCCATGTATCTCAGGCTTGGGTTCACACCATCACCTTTCTTCCCTCTAGGTGGGG
GGAAAGGGTGAGTCAAAGGAACCTCAACCATGCTCTGTCCAAATGCAAGTGAGGGTCTGGGGGCAACCA
GGAGGGGGGAATCACCTACAACCTGCATACCTTTGAGTCTCCATCCCCAGAATTTCCAGCTTTTGAAAGT
GGCTGGATAGGGAAGTTGTTTTCTTTTAAAGAAAGGATATATAATAATTCCCATGCCAGAGTGAAATGA
TTAAGTATAAGACCAGATTTCATGGAGCCAAGCCACTACATTCTGTGGAAGGAGATCTCTCAGGAGTAAGC
ATTGTTTTTTTTTTCACATCTTGTATCCTCATACCCACTTTTGGGATAGGGTGCTGGCAGCTGTCCCAAGC
AATGGGTAATGATGATGGCAAAAAGGGTGTGGGGGAACAGCTGCAGACCTGCTGCTCTATGCTCACCC
CCGCCCATTTCTGGGCCAATGTGATTTTATTTATTTGCTCCCTTGGATACTGCACCTTGGGTCCCACTTT
CTCCAGGATGCCAAGTGCCTAGCTGTGTGCGAATGACGTATCTTGTGCATTTTAACTTTTTTCTCTTAA
TATAAATATTCTGGTTTTGTATTTTGTATATTTTAACTAAGGCCCTCATTTCTGCACTGTGTTCTCA
GGTACATGAGCAATCTCAGGGATAGCCAGCAGCAGCTCCAGGTCTGCGCAGCAGGAATTACTTTTTGTG
TTTTTGGCACCGTGGAGAGCAACTATTTGGAGTGACACAGCCTATTGAACCTACCTCATTTTTGCCAATAAG
AGCTGGCTTTTCTGCCATAGTGTCTCTTGAACCCCTCTGCCTTGAAAATGTTTTATGGGAGACTAGG
TTTTAACTGGGTGGCCCCATGACTTGATTGCCTTCTACTGGAAGATTGGGAATTAGTCTAACAGGAAAT
GGTGGTACACAGAGGCTAGGAGAGGCTGGGCCCGGTGAAAAGGCCAGAGAGCAAGCCAAGATTAGGTGAG
GGTTGTCTAATCCTATGGCACAGGACGTGCTTTACATCTCCAGATCTGTTCTTACCAGATTAGGTTAGG
CCTACCATGTGCCACAGGGTGTGTGTGTGTTGTAAACTAGAGTTGCTAAGGATAAGTTTAAAGACCAA
TACCCCTGTACTTAATCCTGTGCTGTGAGGGATGGATATATGAAGTAAGGTGAGATCCTTAACCTTTCA
AAATTTTCGGTTCCAGGGAGACACACAAGCGAGGGTTTGTGGTGCCTGGAGCCTGTGTCTGCCCTGC
TACAGTAGTGATTAATAGTGTATGGTAGCTAAAGGAGAAAAAGGGGTTTCGTTTACACGCTGTGAGAT
CACCGCAAACCTACCTTACTGTGTTGAAACGGGACAAATGCAATAGAACGCATTGGGTGGTGTGTGTCTG
ATCCTGGGTTCTTGTCTCCCTAAATGCTGCCCCCAAGTTACTGTATTTGTCTGGGCTTTGTAGGACTT
CACTACGTTGATTGCTAGGTGGCCTAGTTTGTGTAATATAATGTATTGGTCTTTCTCCGTGTTCTTTGG
GGGTTTTGTTTACAAACTTCTTTTTGTATTGAGAGAAAAATAGCCAAAGCATCTTTGACAGAAGGTTCTG
CACCAGGCAAAAAGATCTGAACATTAGTTTGGGGGGCCCTCTTCTTAAAGTGGGGATCTTGAACCATCC
TTTTTTTTGTATTCCCTTCCCTTATTACCTATTAGCCAGATCTTCTGCTTAAAAACTTGTCTTCCCTGC
CCTGCCCTCTTTTCTGTTACCCCCAAAAGAAAACCTTACACACCCACACACATACACATTTTCATGCTTGG
AGTGTCTCCACAACCTCTTAAATGATGTATGCAAAAATACTGAAGCTAGGAAAACCTCCATCCCTTGTTC
CCAACCTCCTAAGTCAAGACCATTACCATTTCTTTCTTTCTTTTTTTTTTTTTTAAATGGAGTCTCA
CTGTGTACCCAGGCTGGAGTGCAAGTGGCATGATCGGCTCACTGCAGCCTCTGCCTCTTGGGTCAAGTG
ATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGATTTACAGGCACCCGCCACACTCAGCTAATTTTTGTATT
TTTAGTAGAGACGGGGTTTACCATGTTGTCCAGGCTGGTCTGGAACCTCTGACCTCAGGTGATCTGCCC
ACCTTGGCTTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCATGCTGGGCCAACCATTTCTTGGTGTA
TTCATGCCAAACACTTAAGACACTGCTGTAGCCCAGGCGGGTGGCTCACACCTGTAATCCCAGCACTTT
GGAAGGCTGAGGCGGGCGGATCACAAGGTCACGAGTTCAAACCTATCCTGGCCAACACAGTGAAACCCCG
TCTCTACTAAAAACAAAAAATAGCCGGGTGTGGTGGTGCATGCCCTTAGTCTAGCTATTACAGGAGG
CTGAGGCAGGGGAATCGCTTGAACCCGAGAGGCAGAGGTTGCAAGTGAGCTGAGATCGCACCCTGCACTC
CAGCCTGGTTACAGAGCAAGACTCTGTCTCAAACAAAAACAAAACAAAAACACACTACTGTATTTT
GGATGGATCAAACCTCCTTAATTTTAAATTTCTAATCCTAAAGTAAAGAGATGCAATTGGGGGCTTCCAT
GTAGAAAGTGGGGTCAGGAGGCCAAGAAAGGGAATGAATGTATATCCAAGTCACTCAGGAACCTTTTAT
GCAGGTGCTAGAAACTTTATGTCAAAGTGGCCACAAGATTGTTTAAATAGGAGACGAACGAATGTAACCTC
ATGTTTACTGCTAAAAACCAAGCTTTGTGTAATCTTGAATTTATGGGGCGGGAGGGTAGGAAAGCCT
GTACCTGTCTGTTTTTTTCTGATCCTTTTCCCTCATTCCTGAACTGCAGGAGACTGAGCCCTTTGGGC
TTTGGTGACCCCATCACTGGGGTGTGTTTATTTGATGGTTGATTTTGCTGTACTGGGTACTTCTTTCCC
ATTTTCTAATCATTTTTTTAACACAAGCTGACTCTTCCCTTCCCTTCTCCTTTCCCTGGGAAAATACAATG
AATAAATAAGACTTATTGGTACGCAAACTGTCA

Figure 5.

AGAGAGGGGTTGAGTAGTCCCTTCGCAAGCCCTCATTTACCAGGCCCCGGCTTGGGGCGCCTTCCTTC
CCCATGGCGGGACACCTGGCTTCGGATTTTCGCTTCTCGCCCCCTCCAGGTGGTGGAGGTGATGGGCCAG
GGGGCCGGAGCCGGGCTGGGTGATCCTCGGACCTGGCTAAGCTTCCAAGGCCCTCCTGGAGGGCCAGG
AATCGGGCCGGGGTTGGGCCAGGCTCTGAGGTGTGGGGGATTCCCCCATGCCCCCGCCGTATGAGTTC
TGTGGGGGGATGGCGTACTGTGGGCCCCAGGTTGGAGTGGGGCTAGTGCCCCAAGGCGGCTTGAGACCT
CTCAGCCTGAGGGCGAAGCAGGAGTCGGGGTGGAGAGCAACTCCGATGGGGCTCCCCGGAGCCCTGCAC
CGTCACCCCTGGTGCCGTGAAGCTGGAGAAGGAGAAGCTGGAGCAAAACCCGGAGGAGTCCCAGGACATC
AAAGCTCTGCAGAAAGAACTCGAGCAATTTGCCAAGCTCCTGAAGCAGAAGAGGATCACCCCTGGGATATA
CACAGGCCGATGTGGGGCTCACCTGGGGGTTCTATTGGGAAGGTATTAGCCAAACGACCATCTGCCG
CTTTGAGGCTCTGCAGCTTAGCTTCAAGAACATGTGTAAGCTGCGGCCCTTGCTGCAGAAGTGGGTGGAG
GAAGCTGACAACATGAAAATCTTCAGGAGATATGCAAAGCAGAAACCCCTCGTGCAGGCCCCGAAAGAGAA
AGCGAACCAGTATCGAGAACCGAGTGAGAGGCAACCTGGAGAATTTGTTCTGCAGTGCCCCGAAACCCAC
ACTGCAGCAGATCAGCCACATCGCCAGCAGCTTGGGCTCGAGAAGGATGTGGTCCGAGTGTGGTTCTGT
AACC GGCGCCAGAAGGGCAAGCGATCAAGCAGCGACTATGCACAACGAGAGGATTTTGAGGCTGCTGGGT
CTCCTTTCTCAGGGGGACAGTGTCTTTCTCTGGCCCCAGGGCCCCATTTTGGTACCCAGGCTATGG
GAGCCCTCACTTCACTGCACCTGACTCCTCGGTCCCTTTCCCTGAGGGGGGAAGCCTTTCCCTGTCTCC
GTCACCACTCTGGGCTCTCCCATGCATTCAAACCTGAGGTGCCTGCCCTTCTAGGAATGGGGGACAGGGG
AGGGGAGGAGCTAGGGAAGAAAACCTGGAGTTTGTGCCAGGGTTTTTGGGATTAAGTTCTTCATTCACT
AAGGAAGGAATTGGGAACACAAAGGTTGGGGGACAGGGAGTTTGGGGCAACTGTTGGAGGGGAAGGTGAA
GTTCAATGATGCTCTTGATTTTAAATCCACATCATGTATCACTTTTTTTCTAAATAAAGAAGCCTGGGAC
ACAGTAGATAGACACACTTAAAAAAAAAAAA

Figure 6.

GGATGGTTGTCTATTAACTTGTTCAAAAAAGTATCAGGAGTTGTCAAGGCAGAGAAGAGAGTGTTCGAA
AAGGGGAAAGTAGTTTGCTGCCTCTTTAAGACTAGGACTGAGAGAAAGAGAGGAGAGAGAAAGAAAGG
GAGAGAAGTTTGAGCCCCAGGCTTAAGCCTTTCCAAAAATAATAATAACAATCATCGGCGGCGGCAGGA
TCGGCCAGAGGAGGAGGGAAGCGCTTTTTTTGATCCTGATTCCAGTTTGCTCTCTCTTTTTTTCCCCCA
AATTATTTCTCGCTGATTTTCTCGCGGAGCCCTGCGCTCCCGACACCCCGCCCGCTCCCTCCTCC
TCTCCCCCGCCCGCGGGCCCCCAAAGTCCCGGCCGGCCGAGGGTCGGCGGCCCGCGGGCGGGGCGGGC
CCGCGCACAGCGCCCGCATGTACAACATGATGGAGACGGAGCTGAAGCCGCGGGCCCGCAGCAAACTTC
GGGGGGCGGCGGGCAACTCCACCGCGGCGGGCGGGCGGCAACCAGAAAAACAGCCCGGACCGCGCTC
AAGCGGCCCATGAAATGCCTTCATGGTGTGGTCCCGCGGGCAGCGGCGCAAGATGGCCAGGAGAACCCCA
AGATGCACAACCTCGGAGATCAGCAAGCGCCTGGGCGCCGAGTGGAACCTTTGTGCGAGACGGAGAAGCG
GCCGTTTCATCGACGAGGCTAAGCGGCTGCGAGCGCTGCACATGAAGGAGCACCCGGATTATAAATACCGG
CCCCGGCGGAAAACCAAGACGCTCATGAAGAAGGATAAGTACACGCTGCCCGGCGGGCTGCTGGCCCCCG
GCGGCAATAGCATGGCGAGCGGGGTGCGGGTGGGCGCCGGCCTGGGCGCGGGCGTGAACCAGCGCATGGA
CAGTTACGCGCATGAACGGCTGGAGCAACGGCAGCTACAGCATGATGCAGGACCAGCTGGGCTACCCG
CAGCACCCGGGCTCAATGCGCACGGCGCAGCGCAGATGCAGCCCATGCACCGCTACGACGTGAGCGCC
TGCAATGACACTTCCATGACCACTCGCAGACCTACATGAACGGCTCGCCACCTACAGCATGTCTCATC
GCAGCAGGGCACCCCTGGCATGGCTCTTGCTCCATGGGTTCGGTGGTCAAGTCCGAGGCCAGCTCCAGC
CCCCCTGTGGTTACCTCTTCTCCCACTCCAGGGCGCCCTGCCAGGCCGGGGACCTCCGGGACATGATCA
GCATGTATCTCCCCGGCGCCGAGGTGCCGGAACCCGCCGCCCCAGCAGACTTCACATGTCCAGCACTA
CCAGAGCGGCCCGGTGCCCGGCACGGCCATTAACGGCACACTGCCCTCTCACACATGTGAGGGCCGGAC
AGCGAACTGGAGGGGGGAGAAATTTCAAAGAAAAACGAGGGAAATGGGAGGGGTGCAAAAGAGGAGAGT
AAGAAACAGCATGGAGAAAACCCGCTACGCTCAAAAAGAAAAAGGAAAAAATCCCATCACCCACA
GCAATGACAGCTGCAAAAGAGAACACCAATCCCATCCACACTCAGCAAAAACCGCATGCCGACAAGA
AAACTTTTATGAGAGAGATCCTGGACTTCTTTTTGGGGGACTATTTTGTACAGAGAAAACCTGGGGAGG
GTGGGGAGGGCGGGGAATGGACCTTGATAGATCTGGAGGAAAGAAAGCTACGAAAACTTTTAAAAG
TTCTAGTGGTACGGTAGGAGCTTTCAGGAAGTTTGCAAAAGTCTTTACCAATAATATTTAGAGCTAGTC
TCCAAGCGACGAAAAAATGTTTAAATATTTGCAAGCAACTTTTGTACAGTATTTATCGAGATAAACATG
GCAATCAAAATGTCCATTGTTTATAAGCTGAGAATTTGCCAATATTTTCAAGGAGAGGCTTCTTGCTGA
ATTTTGATTCTGCAGCTGAAATTTAGGACAGTTGCAACCGTGAAGAAGAAAAATTTCAAATTTGGAC
ATTTTAATTTGTTAAAAATTTGACAAAAGGAAAAATTAGAATAAGTACTGGCGAACCATCTGTGGTC
TTGTTTAAAAAGGGCAAAAGTTTGTAGACTGTACTAAATTTTATAACTTACTGTAAAAGCAAAATGGCC
ATGCAGGTTGACACCGTTGGTAATTTATAATAGCTTTTGTTCGATCCCACTTTCCATTTTGTTCAGATA
AAAAAACCATGAAATTTACTGTGTTTGAATATTTTCTATGGTTTGTAAATATTTCTGTAAATTTATTGT
GATATTTTAAAGTTTTCCCCCTTATTTTCCGTAGTTGTATTTTAAAGATTTCGGCTCTGTATTTTG
AATCAGTCTGCCGAGAATCCATGTATATATTTGAACTAATATCATCCTTATAACAGGTACATTTTCAACT
TAAGTTTTTACTCCATTATGCACAGTTTGAGATAAATAAATTTTTGAAATATGGACACTGAAAAA

Figure 7.

ATGACCCCTCTCCGGCGGGCGGCAGCGCCAGCGACATGTCCGGCCAGACGGTGCTGACGGCCGAGGACGTGG
ACATCGATGTGGTGGGCGAGGGCGACGACGGGCTGGAAAGAGAAGGACAGCGACGCAGGTTGCGATAGCCC
CGCGGGGGCCGCCGAGCTGCGCCTGGACGAGGCGGACGAGGTGCCCCCGGGCGGCACCCCATCACGGACAG
CCTCAGCCGCCCCACCAGCAGCCCTGACATTGCCCAAGGAGGCGGCCGGAGCCGGGGCCGGACCGGGGG
GCGACGTGGGCGCGCCGGAGGCGGACGGCTGCAAGGGCGGTGTTGGCGGCAGGAGGGCGGCGCGAGCGG
CGGCGGGCCTGGCGCGGGCAGCGGTTGCGGCGGAGGGCTGGCCCCGAGCAAGCCCAAGAACAGCCTAGTG
AAGCCGCCCTTACTCGTACATCGCGCTCATCACCATGGCCATCCTGCAGAGCCCGCAGAAGAAGCTGACCC
TGAGCGGCATCTGCGAGTTCATCAGCAACCGCTTCCCTACTACAGGGAGAAGTTCCTCCGCTGGCAGAA
CAGCATCCGCCACAACCTCTCACTCAACGACTGCTTCGTCAAGATCCCCCGCGAGCCGGGCAACCCGGGC
AAGGGCAACTACTGGACCCTGGACCCGAGTCCGAGGACATGTTGACAAACGGCAGCTTCTGCGGCGCC
GGAAACGCTTCAAGCGCCACCAGCAGGAGCACCTGCGCGAGCAGACGGCGCTCATGATGCAGAGCTTCGG
CGCTTACAGCCTGGCGGGCGGCGGCGCGCGGGACCTACGGCCGCCCCCTACGGCCTGCACCTGCG
GCGGCGGCGGTGCCTATTGCGACCCGGCAGCGGCGGCGGCGCGGCTGCTGCGGCGGCGCTCCAGTACC
CGTACGCGCTGCCGCGGCTGGCACCCGGTGCTGCCTCCCGCTGTGCCGCTGCTGCCCTCGGGCGAGCTGGG
CCGCAAAGCGGCCGCTTCGGCTCACAGCTCGGCCCGGGCCTGCAGCTGCAGCTCAATAGCCTGGGCGCC
GCGCGGGCGCTGCGGGGACAGCGGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG
CGCGGCGCTCGTTCAGCATCGAGAACATCATAGGTGGGGGCCCCGCGGCTCCTGGGGGCTCGGCGGTGGG
CGCTGGGGTTCGCGGCGGCGACTGGGGGTTAGGGGGCGGCGAGCACGGCGCAGTCGTTTCTGCGGCCACCC
GGGACCGTGCAGTCGGCAGCGCTCATGGCCACCCACCAACCGCTGTGCTGAGCCGGACGACTGCCACCA
TCGCGCCCCATTCTTAGCGTGCCACTCTCCGGACAGTTTCTGCAGCCCGCAGCCTCGGCGCGCGCGCTGC
TGCGGCGCGCGCTCAAGCCAAATGGCCGGCGCAATAGGGACGCGCCAATGGCCGGGACCCAGGGTCCGGC
GGCGGCCCTCGAGCAACAAATGCACCTCCAGGCTGCGCGCCCTGTCCCAAGCCCGGTCCCGGTCCCGCTGC
CCAATCTGGACTCTGCCTCTCCCAATTTCTTTTCCCTGAGCCCCCAACGCCTACCTTCGCGGCGCTC
CATCCCCCTCGCGCACACCTAAGCTGGTTCGAGCAAACTCACCGCGCGCCCCCGGGGATAGCTTTCCATAC
AGGTAAAACCGAAAACCGAATTTTCCAAAATGCACCCGACGGCGCCTGCTCTTAGTACCCTGGGGATG
GGAGGGAAATCTTTGTATATATTTGTAATAAATTTATGACTTTCTTTTGGGGTTTTTATTTTTTTAA
GAAAAACAAATTCCTAGATTTAGAGCTCTGAACTTTCATTTTTTTTGAAGGTTCACTCTCCGAAGTTT
TATCTGAGAAAAGATGTATAGAGACGTTGGGAGATTTTAAATATAAAAAATTTTCAAAAAGGCAAAAAG
TGTCATTCTATTATAAAGTCTGTTTATATATGAATGAATATATATGGTATTCTAAATGTTATTCCATCG
TGTTGTACACAACCTTTGTAAATAAATTTTTTAAATGCCAAAAA

Figure 8.

TTCATTATAAATCTAGAGACTCCAGGATTTTAACGTTCTGCTGGACTGAGCTGGTTGCCTCATGTTATTA
TGCAGGCAACTCACTTTATCCCAATTTCTTGATACTTTTCTTCTGGAGGTCTATTTCTCTAACATCTT
CCAGAAAAGTCTTAAAGCTGCCTTAACCTTTTTTCCAGTCCACCTCTTAAATTTTTTCTCCTCTTCTC
TATACTAACATGAGTGTGGATCCAGCTTGTCCCCAAGCTTGCCTTGCTTTGAAGCATCCGACTGTAAAG
AATCTTCACCTATGCCTGTGATTTGTGGGCTGAAGAAAATATCCATCCTTGCAAATGTCTTCTGCTGA
GATGCCTCACACGGAGACTGTCTCTCTCTTCTTCTTCCATGGATCTGCTTATTGAGGACAGCCCTGAT
TCTTCCACCACTCCCAAGGCAACAACCACTTCTGCAGAGAAGAGTGTGCAAAAAAGGAAGACAAGG
TCCCGGTCAAGAAACAGAAGACCAGAACTGTGTTCTTCTTCCACCCAGCTGTGTGTAATGATAGATT
TCAGAGACAGAAATACCTCAGCCTCCAGCAGATGCAAGAACTCTCAACATCCTGAACCTCAGTACAAA
CAGGTGAAGACCTGGTTCCAGAACCAGAGAATGAAATCTAAGAGGTGGCAGAAAAACAACCTGGCCGAAGA
ATAGCAATGGTGTGACGCGAGAAGGCTCAGCACCTACCTACCCAGCCTTACTCTTCTACCAACAGGG
ATGCCTGGTGAACCCGACTGGGAACCTTCCAATGTGGAGCAACCAGACCTGGAACAATTCAACCTGGAGC
AACCAGACCCAGAACATCCAGTCTTGGAGCAACCACTCTGGAACACTCAGACCTGGTGCACCAATCCT
GGAACAATCAGGCTGGAACAGTCCCTTCTATAACTGTGGAGAGGAATCTCTGCAGTCTGTCATGCAATT
CCAGCCAAATTTCTTCTGCAAGTGAATTTGGAGGCTGCCTTGAAGCTGCTGGGGAAGGCCTTAATGTAATA

Figure 9.

AGCCGCGCAGACGCCGCCAGGACGCAGCGCGCGCGCGCGCTCCTCTGCCACTGGCTCTGCGCCCCA
 GCCCGGCTCTGCTGCAGCGGCAGGGAGGAAGAGCCGCCGCAGCGCGACTCGGGAGCCCCGGGCCACAGCC
 TGGCCTCCGGAGCCACCCACAGGCCTCCCGGGCGGGCGCCACGCTCCTACCGCCCGGACGCGCGGATCC
 TCCGCCGGCACCAGCAGCCACCTGCTCCCGGCCCAGAGGCGACGACACGATGCGCTGCGCGCTGGCGCTCT
 CGGCGCTGCTGCTACTGTTGTCAACGCCCGCGCTGCTGCCCTGCTCGCCCTGCGCGCTGCGCCCTC
 CCAGAAATGCAACCCAGACTACTACGGATCATCTAACAACAGCAGCCAGCTACGCATCCAGTCTCACC
 ATCATGGCTACAGATAACGCCACGAGACGACGATCCCCACTTCCAAGGCCAACGAAATCTTGGCTCGG
 TCAAGGCGACCACCCCTTGGTGTATCCAGTGACTCACCGGGGACTACAACCCCTGGCTCAGCAAGTCTCAGG
 CCCAGTCAACACTACCGTGGCTAGAGGAGGCGGCTCAGGCCAACCCCTACTACCACCATCGAGAGCCCCAAG
 AGCACA AAAAGTGCAGACACCACTACAGTTGCAACCTCCACAGCCACAGCTAAACCTAACACCACAAGCA
 GCCAGAATGGAGCAGAAGATAACAACAACTCTGGGGGGAAAAGCAGCCACAGTGTGACCACAGACCTCAC
 ATCCACTAAGGCAGAACATCTGACGACCCCTCACCTCAACAGTCCACTTAGCCCCGCAACCCACTTTCG
 AGCATCTCTGTGGCCACCCCAACAGCTCGGGACATGACCATTTATGAAATTTCAGCAGGTTCAAGCA
 CTGTGGCTATCCCTGGCTACACCTTCACAAGCCCGGGGATGACCAACCCCTACTAGAGACAGTGTTTTCA
 CCATGTGAGCCAGGCTGGTCTTGAACCTCTGACCTCGGGTGATCTGCCACCTTGGCCTCCCAAAGTGCT
 GGGATTACAGCGTCATCGGTTATCTCGCAAAGAACTCAACAGACCTCCAGTCAGATGCCAGCCAGCTCTA
 CGCCCCCTTCTCTCCAGGAGACAGTGCAGCCACAGAGCCCGGCAACGGCATTGAGAACACCTACCCTGCC
 AGAGACCATTGAGCTCCAGCCCCACAGCAGCATCAACTACCACCGATACCCCAAAACACCTTCTCCCACT
 TGGCTCATGAGAGTAACCTGGGCAAGGTGTGAGGATCTTGAGACACAGACAGAGTGAGAAGCAGCTCG
 TCTTGAACCTCAGGAAACACCTCTGTGCGAGGGGGCGCTTCCGATGAGAAATTGATCTCATGATATG
 CCGAGCAGTCAAAGCCACCTTCAACCCGGCCCAAGATAAGTGCGGCATAACGGCTGGCATCTGTTCCAGGA
 AGTCAGACCGTGGTGTGTCAAAGAAATCACTATTCACACTAAGCTCCCTGCCAAGGATGTGTACGAGCGGC
 TGAAGGACAAATGGGATGAACTAAAGGAGGCAGGGGTGAGTGACATGAAGCTAGGGGACCAGGGGCCACC
 GGAGGAGGCCGAGGACCGCTTCAGCATGCCCCCTCATCATCCCATCGTCTGCATGGCATCATTCCTGCTC
 CTCGTGGCGGCCCTCTATGGCTGCTGCCACCAGCGCCTCTCCCAAGAGGAAGGCACAGCGGCTAACAG
 AGGAGTGCAGACAGTGGAGAAATGGTTACCATTGACAAACCCACACTGGAAGTGATGGAGACCTCTTCTGA
 GATGACAGGAGAAGAAGGTGGTCAGCCTCAACGGGAGCTGGGGACAGCTGGATCGTCCCTCTGGACAAC
 CTGACCAAGGACGACCTGGATGAGGAGGAAGACACACCTCTAGTCCGGTCTGCCGGTGGCCTCCAGCA
 GCACCACAGAGCTCCAGACCAACACCCCAAGTGCCGTTTGGATGGGGAAGGGAAAGACTGGGGAGGGAG
 AGTGAACCTCCGAGGGGTGTCCCTTCCCAATCCCCCAGGGCCTTAATTTTTCCCTTTTCAACCTGAACAA
 ATCACAATTCTGTCCAGATTCTCTTGTAAATAAACCCACTAGTGCCGTGAGCTCAGTGCTGCTGGATGATG
 AGGGAGATCAAGAAAAAGCCAGTAAGGGACCTTTATAGATGAACCTAGTGGAAATCCCTTCATTCTGCAGTG
 AGATTGCCGACACTGAAGAGGTTAAGTGACTTGCCCAAGGTCAGAGCCACTTGGTGACAGAGCCAGGAT
 GAGAACAAGAGATTCCATTTGCACCATGCCACACTGCTGTGTTACATGTGCTCTCCGTCAGAGCAGTCC
 CGGGCAGGGGTGAAACTCCAGCAGGTGGCTGGGCTGGAAAGGAGGGCAGGGCTACATCCTGGCTCGGTGG
 GATCTGACGACCTGAAAGTCCAGCTCCCAAGTTTTCTTCTCCTACCCAGCCTCGTGTACCCATCTTCC
 CACCCTCTATGTTCTTACCCCTCCCTACACTCAGTGTTTGTGCCACTTACTCTGTCTGGGGCCTCTGG
 GATTAGCACAGGTTATTTCATAACCTTGAACCCCTTGTCTGGATTTCGATTTTTCTCACATTTGCTTCGTG
 AGATGGGGGCTTAACCCACACAGGTTCTCCGTGCGTGAACCAAGGTCGTGCTTAGGGGACCTCGCTGACAGGTG
 AGGAGAGAAGGGACACTCGAGTCCAGGCTGGTATCTCAGGCGAGCTGATGAGGGGTGACAGGGAACACT
 GCGCCATTGGCCCTTGGCACTCTTGCAGAGGCCACCCACGATCTTCTTTGGGCTTCCATTTCCACCAGG

Figure 10.

ACTAAATCTGCTGTAGCTAGTGAGAGCAGCGTGTTCTTTTGTGTTCACTGCTCAGCTGATGGGAGTG
ATTCCCTGAGACCCAGTATGAAAGAGCAGTGGCTGCAGGAGAGGCCCTCCCGGGGCCCCCATCAGCGAT
GTGTCTTCAGAGACAATCCATTAAAGCAGCCAGGAAGGACAGGCTTTCCCTGTATATCATAGGAACTC
AGGGACATTTCAAGTTGCTGAGAGTTTTGTTATAGTTGTTTTCTAACCAGCCCTCCACTGCCAAAGGCC
AAAAGCTCAGACAGTTGGCAGACGTCCAGTTAGCTCATCTCACTCACTCTGATTCTCCTGTGCCACAGGA
AAAGAGGGCCTGGAAAGCGCAGTGCATGCTGGGTGCATGAAGGGCAGCCTGGGGGACAGACTGTTGTGGG
AACGTCCCACTGTCTGGCCTGGAGCTAGGCCTTGCTGTTCTCTCTGTGAGCCTAGTGGGGCTGCT
GCGGTTCTCTTGCAAGTTTCTGGTGGCATCTCAGGGGAACACAAAGCTATGTCTATTCCCCAATATAGGAC
TTTTATGGGCTCGGCAGTTAGCTGCCATGTAGAAGGCTCCTAAGCAGTGGGCATGGTGAGGTTTCATCTG
ATTGAGAAGGGGAATCCTGTGTGAATGTTGAACTTTCGCCATGGTCTCCATCGTTCTGGGCGTAAATT
CCCTGGGATCAAGTAGGAAAATGGGCAGAACTGCTTAGGGGAATGAAATTGCCATTTTTTCGGGTGAAACG
CCACACCTCCAGGCTCTTAAGAGTCAGGCTCCGGCTGTAGTAGCTCTGATGAAATAGGCTATCCACTCGG
GATGGCTTACTTTTTAAAGGGTAGGGGGAGGGGCTGGGAAGATCTGTCTGCACCATCTGCCAATTC
CTTCCTCACAGTCTGTAGCCATCTGATATCCTAGGGGAAAAGGAAGGCCAGGGGTTTACATAGGGCCCCA
GCGAGTTTCCAGGAGTTAGAGGGATGCGAGGCTAACAAAGTTCCAAAAACATCTGCCCCGATGCTCTAGT
GTTTGGAGGTGGGCAGGATGGAGAACAGTGCCTGTTTTGGGGGAAAACAGGAAATCTTGTTAGGCTTGAGT
GAGGTGTTTGCTTCTTCTTGCCAGCGCTGGGTCTCTCCACCCAGTAGGTTTTCTGTTGTGGTCCCGT
GGGAGAGGCCAGACTGGATTATTCCTCCTTTGCTGATCCTGGGTCACTTACCAGCCAGGGCTTTTGA
CGGAGACAGCAAATAGGCCTCTGCAAATCAATCAAAGGCTGCAACCCCTATGGCCTCTTGAGACAGATGA
TGACTGGCAAGGACTAGAGAGCAGGAGTGCCTGGCCAGGTGCGTCTGACTCTCCTGACTCTCCATCGCT
CTGTCCAAGGAGAACCCGGAGAGGCTCTGGGCTGATTACAGAGGTTACTGCTTTATATTTCGTCCAACTGT
GTTAGTCTAGGCTTAGGACAGCTTCAGAATCTGACACCTTGCTTGTCTTGGCACCAGGACACCTATGT
CAACAGGCCAAACAGCCATGCATCTATAAAGGTCATCATCTTCTGCCACCTTTACTGGGTTCTAAATGCT
CTCTGATAATTCAGAGAGCATTGGGTCTGGGAAGAGGTAAGAGGAACACTAGAAGCTCAGCATGACTTAA
ACAGGTTGTAGCAAAGACAGTTTATCATCAGCTCTTTCAGTGGTAAACTGTGGTTTCCCCAAGCTGCACA
GGAGGCCAGAAACCACAAGTATGATGACTAGGAAGCCTACTGTCATGAGAGTGGGAGACAGGCAGCAAA
GCTTATGAAGGAGGTACAGAATATCTTTGCGTTGTGAAGACAGAATACGGGTTAATCTAGTCTAGGCAC
CAGATTTTTTTCCCGCTTGATAAGGAAAGCTAGCAGAAAGTTTATTTAAACCCTTCTTGAGCTTTATCT
TTTTTGACAATATACTGGAGAACTTTGAAGAACAAGTTCAAACCTGATACATATACACATATTTTTTTGA
TAATGTAAATACAGTGACCATGTTAACCTACCCTGCACTGCTTTAAGTGAACATACTTTGAAAAAGCATT
ATGTTAGCTGAGTGATGGCCAAGTTTTTTCTCTGGACAGGAATGTAAATGTCTTACTGGAAATGACAAGT
TTTTGCTTGATTTTTTTTTTTTAAACAAAAAATGAAATATAACAAGACAACTTATGATAAAGTATTTGTC
TTGTAGATCAGGTGTTTTGTTTTGTTTTTAAATTTTAAATGCAACCCCTGCCCCCTCCCCAGCAAAGTC
ACAGCTCCATTTAGTAAAGGTTGGAGTCAATATGCTCTGGTTGGCAGGCAACCCTGTAGTCATGGAGAA
AGGTATTTCAAGATCTAGTCCAATCTTTTTCTAGAGAAAAAGATAATCTGAAGCTCACAAAGATGAAGTG
ACTTCCTCAAATCACATGGTTCAGGACAGAAACAAGATTAACCTGGATCCACAGACTGTGCGCCTCA
GAAGGAATAATCGGTAAATTAAGAATTGCTACTCGAAGGTGCCAGAATGACACAAAGGACAGAATTCCTT
TCCCAGTTGTTACCCCTAGCAAGGCTAGGGAGGGCATGAACACAAACATAAGAAGTGGTCTTCTACACTTT
CTCTGAATCATTTAGGTTTAAGATGTAAGTGAACAATCTTTCTTTCTGCCAAGAAACAAAGTTTTGGAT
GAGCTTTTATATATGGAACCTTACTCCAACAGGACTGAGGGACCAAGGAAACATGATGGGGGAGGCAGAGA
GGGCAAGAGTAAACTGTAGCATAGCTTTTGTACGGTCACTAGCTGATCCCTCAGGTCTGTGCAACA
CAGCATGGAGGACACAGATGACTCTTTGGTGTGGTCTTTTTGTCTGCAGTGAATGTTCAACAGTTTGCC
CAGGAAGTGGGGATCATATATGCTTAGTGGACAGGGGTCTGAAGTACACTGGAATTTACTGAGAACT
TGTTTGTAATAAATATAGTTAATAATTATGCAATTTCTTACAAAAATATATTTGGAAAATGTATACT
GTCAATTAAAGTGTGTTGTGTAAGTGGTTCAAAAAAAAAAAAAAAAAAAAAA

Figure 10 (continued).

AGTTTCTCCTTTGTTTTACGTTTGGGAGGAGGTGGCATTTGAAATAGCAGAGTGCTTCGCGGTAACAGGG
 GTTGGAGTGCAATGGTGTGATCTCAGCTCACTGCAACCCCTGCCTCCCAGGCTCCAGCGATCCTCCACC
 TCAGCCTCCTGAATAGCTGACCACCAGCACACTAGGCAAACCCACCCCACTCACGGCCTCCCTTGGGAAT
 TCAGACCTAACCATCGCTGAGCTGAAACAAATGTACTGAGGCTGGAGCCTGTGTGAACAGAACAGAAGAG
 GCCTTCACCTAGTAGTGCTCACAGTCCAGCAGGTGTTTGTGTAAGACAGCTTACTCAGATCACTACTGC
 CTGGAGGTGGTTGATATATCCTGGTGTAACCTTCAAGAAGGGCACAGGCAGGAAAACATGAGCCAGCAA
 CTGAAGAAACGGGCAAAGACAAGACACCAGAAAGGCCCTGGGTGGAAGAGCCCCAGTGGGGCTAAGCCCA
 GGCAAGGCAAGTCAAGCCAAGACCTGCAGGCGGAAATAGAACCTGTGAGCGGGTGTGGGCCCTTATGTGA
 TGGCTATGTGTCTATGAGCCTGGCCCTCAGGCTCTCGGAGGGGATGATTTCTCAGACTGTTACATAGAA
 TGCGTCATAAGGGGTGAGTTTTCTCAACCCATCCTGGAAGAGGACTCACTTTTTGAGTCCTTGAATACC
 TAAAGAAAGGATCAGAACAACAGCTTTCTCAAAGGTTTTCTGAAGCAAGCTCCCTTGAATGTTCTTTGGA
 ATACATGAAAAAGGGGTAAAGAAAGAGCTTCCACAAAAGATAGTTGGAGAGAATTCGCTTGAGTATTCT
 GAGTACATGACAGGCAAGAAGCTTCCGCCTGGAGGAATACCTGGCATTGACCTATCAGATCCTAAACAGC
 TCGCAGAATTTGCTAGAAAGAAGCCCCCATAAATAAAGAATATGACAGTCTGAGCGCAATCGCTTGTC
 TCAGAGTGGATGCACTAGGAAGTTGAGGAATAGAGCTGCCCTGAGAAAGCATCTCCTCATTCATGGTCCC
 CGAGACCACGTCTGTGCGGAATGTGGGAAAGCGTTCTGTTGAGAGCTCAAACCTAAAGAGACATTTCTTG
 TTCATACTGGAGAGAAGCCGTTTTCGGTGCACCTTTTGAAGGGTGGGAAAGCGCTTCTCTCTGGACTTTAA
 TTTGCGTACGCGCAGTGCATCCACACGGGGGAGAAACGTTTCGTGTGTCCCTTTCAAGGCTGCAACAGG
 AGGTTTATTCACTCAAATAACCTGAAAGCCCACATCCTAACGCATGCAAATACGAACAAGAATGAACAAG
 AGGGAAAGTAGTCTCCAACAGGATGAAGCAGATTAAACAGAAGAGTGATCAGTGACAAACATGCCTCATT
 GATTATTGTTTCTAGGAAGGAATTTCTAAATCAATATTGCAACCCCAAAAGCGGTTATAATTTGGTGTTA
 CTAAGATGCTCTACACTTTGTGATACCGTTTTAAGGACATGGTGCATTTTTTTTTCTTTTATTGTGTTT
 ATTTAGAACTTTTTTATTGTTTTATTGTAACCTTTGTGTTCTTAAAGTGCTTCCAACAGGAAGG
 TCAGTGATAAATTTTTCAAAGCATAACCTTCAATATATTATCTGTTGGATTATTGGATATAAGACTTATT
 TTCATGTACTATAAATATGAAAATAACTTTGATTTTTAATTGTGTAGTTTCCATTTCTTAGCTTTTGCCT
 TTTAAATTTTACTTTCAGCCAGGCATAGTGACTGATGCCTGTAATCCCAACACTTTGTTGGGAGGCCAAA
 GCAGGAGGATAGCTTGAGGCCAGGAGTTCCAGACCAGCCTGGGCAACATAGTGAGATCCTGTCTCTACAA
 AAAAATTTGTTTTTATTGTTATATATATTTTTATTTTTGTTTTGTTGGTAGGCGTCTCGCTCTGTCA
 CCCAGGCTGGAGTCTAGTGTCGTGATCTTGGCTCACTGCAACCTCCACCTCCCGGGTTCAAGTGATTCTC
 TGGCCTCAGCCTCCCAAGTAGCTGGGACTACAGGTGTGTGTCAACACGCCCGGCTAATTTTTGTATTTT
 AGTAGAGATGGGGTTTCAACATGTTGGCCAGGCTAGTCTCAAACCTCCTGACCTCCAGTGATCTGCCACAC
 TCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACTGTGCCTGGCCCCCACAACATGTTTAAACT
 TAGCTAGGCCGTGGTGCATACGCCTGTGTTCCAGCTACTCAGGAGGCTGAAGCAGGAGGATAGCTTGAG
 CCCAGGAGTTTGAGGCTACAGTGAGCTGTGATTGCACCACTGTACTCCAGACTGGATAACAGCAAGAGCC
 CATCTTTTAAAAAAGTAAAAATAAAAATATACTTTCATGGTTTCATGTATAGCCCTAGAGAATGAAAAA
 TTTGCACTAGATAGTCAATAAATGAATCAGTAGTTAAATATTCTTAAAGTCAACTGTATTTTATTGTGA
 TTTTGTGTTTCTTTTATCATTGTATCAAACATATATGAAATCATATGGTTAGATGTGATTATTGATAA
 TGTTAGTCCATTTGAATCCATTTTAGATATTTCACAATTAAAGAATATGAACTTCAGAAAAA

Figure 11.

AATCCCTCCCTCCGGCGGGCGTCTGCTGGCGGGTGGCTAGGCCCAACGGCAGGAAGCCGACGCTATCCTCC
 GTTCCGCGGGCGCGGGTCCGCTTCCGTCTGTTCTAGGGCCTGCTCCTGCGCGGCAGCTGCTTTAGAAGG
 TCTCGAGCCTCCTGTACCTTCCAGGGATGAACGGGCCTTCCCTCTGGAAGGCGAGGGTTCGGGCCACA
 GTGAGCGAGGGCCAGGGCGGTGGGCGCGCGCAGAGGGAAACGGATCAGTTGAGAGAGAATCAAGAGTAG
 CGGATGAGGCGCTTGTGGGGCGCGGCCCGGAAGCCCTCGGGCGCGGGCTGGGAGAAGGAGTGGGCGGAGG
 CGCCGAGGAGGCTCCCGGGGCTGGTGGGGCGGGTGGGCCCCGGGCGCAGTGGAAGAAAGGACGGGC
 GGTGCCCGGTTGGGCGTCTGGCCAGCTCACCTTGCCCTGGCGGCTCGCCCCGCCCGGCACTTGGGAGGA
 GCAGGGCAGGGCCCGGGCTTTGCATTCTGGGACCGCCCCCTTCCATTCCCGGGCCAGCGGCGAGCGGC
 AGCGACGGCTGGAGCCGCGAGCTACAGCATGAGAGCCGGTGCCGCTCCTCCACGCCTGCGGACGCGTGGCG
 AGCGGAGGCGAGCTGCCTGTTGCGGCCATGGGGGACCGTGGGGCTCGCCGACGGCGGGCGGGCGGG
 CGGGCGGGTGGCGCCGAGGCCGGGGGCTGCCATGGACCGTCTGTGTGCTGGCGGGCGGGCGGCTGACGT
 GTACGGCGCTGATCACCTACGCTTGCTGGGGGCGAGTCCGCGCTGCCCTGGGCGTGCCTAACCCCGTC
 CGACCGGTGGCGTGTGTTGGTGGGACCCCTGGGGGGCGGATAGCGCCCCGAGGCGGGGCTT
 GACTGCCGGTGGCGTTCAACATCAGCGGCTGCCGCTGCTCACCAGCCGCGCTCTACGGAGAGGCTC
 AGGCCGTGCTTTTCCACCACCGGACCTCGTGAAGGGGCCCCGACTGGCCCCGCCCTGGGGCATCCA
 GGCGCACACTGCCGAGGAGGTGGATCTGCGCGTGTGGACTACGAGGAGGCGAGCGGGCGGCGAGAAGCC
 CTGGCGACCTCCAGCCCCAGGCCCGGGCCAGCGTGGGTTGGATGAATTCGAGTCGCCCTCGCACT
 CCCCAGGGCTGCGAAGCCTGGCAAGTAACCTCTTCAACTGGACGCTCTCCTACCGGGCGGACTCGGACGT
 CTTTGTGCCCTTATGGCTACCTCTACCCAGAAGCCACCCCGGCGACCCGCCCTCAGGCCTGGCCCCGCCA

Figure 12.

CTGTCCAGGAAACAGGGGCTGGTGGCATGGGTGGTGGAGCCACTGGGACGAGCGCCAGGCCCGGGTCCGCT
ACTACCACCAACTGAGCCAACATGTGACCGTGGACGTGTTTCGGCCGGGGCGGGCCGGGGCAGCCGGTGCC
CGAAATTGGGCTCCTGCACACAGTGGCCCCGTACAAGTTCTACCTGGCTTTCGAGAACTCGCAGCACCTG
GATTATATCACCGAGAAGCTCTGGCGCAACGCGTTGCTCGCTGGGGCGGTGCCGGTGGTGGTGGGCCCAG
ACCGTGCCAACTACGAGCGCTTTGTGCCCCGCGGCGCTTCATCCACGTGGACGACTTCCCAAGTGCCCTC
CTCCCTGGCCTCGTACCTGCTTTTCCTCGACCGCAACCCCGCGGTCTATCGCCGCTACTTCCACTGGCGC
CGGAGCTACGCTGTCCACATCACCTCCTTCTGGGACGAGCCTTGGTGCCGGGTGTGCCAGGCTGTACAGA
GGGCTGGGGACCGGCCAAGAGCATACGGAACCTGGCCAGCTGGTTCGAGCGGTGAAGCCGCGCTCCCTT
GGAAGCGACCCAGGGGAGGCCAAGTTGTGACAGTTTTTGGATCCTCTACTGTGCATCTCCTTGACTGCCGCA
TCATGGGAGTAAAGTTCTTCAAACACCCATTTTTTGTCTATGGGAAAAAACGATTTACCAATTAATATTA
CTCAGCACAGAGATGGGGGCCCGGTTTCCATATTTTTTGCACAGCTAGCAATTGGGCTCCCTTTGCTGCT
GATGGGCATCATTGTTTAGGGGTGAAGGAGGGGGTTCTTCTCACCTTGTAAACAGTGCAGAAATGAAAT
AGCTTAGCGGCAAGAAGCCGTTGAGGCGGTTTCTGATTTTCCCATCTGCCACAGGCCATATTTGTGGC
CCGTGCAGCTTCAAATCTCATACAACTGTTCCCGATTACGTTTTTCTGGACCAAGGTGAAGCAAAT
TTGTGGTTGTAGAAGGAGCCTTGTGGTGGAGAGTGAAGGACTGTGGCTGCAGGTGGGACTTTGTTGTT
GGAATTCCTCACAGCCTTGGCTCCTGAGAAAGGTGAGGAGGGCAGTCCAAGAGGGGCGCTCCTTT
CACAAGTACTATCTGTTCCCTGTCTGTGAATGGAAGCAAAGTGCTGGATTGTCCTTGGAGGAACTTA
AGATGAATACATGCGTGTACCTCACTTTACATAAGAAATGTATTCTGAAAAGCTGCATTTAAATCAAGT
CCCAAATTCATTGACTTAGGGGAGTTCAGTATTTAATGAAACCCTATGGAGAATTTATCCCTTTACAATG
TGAATAGTCACTCCTAATTTGTTTCTTCTGTCTTTATGTTTTTCTATAACCTGGATTTTTTAAATCATA
TTAAATTTACAGATGTGAAAATAAAGCAGAAGCAACCTTTTTCCCTCTTCCAGAAAACAGTCTGTGTT
TACAGACAGAAGAGAAGGAAGCCATAGTGTCACTTCCACACAATTATTTATTTTATGTCTTTACTGGACC
TGAAATTTAACTGCAATGCCAGTCTGCGAGGAGTGGCATTACCCTCTGCAGAACAGTGAAAGGTAT
TGCACTACATTTATGGAATCATGCAAAAAGGAAAAAAGTTTTCATGATATCTGTTGTTGGCAGTTTTTT
ATCTCTGACAGTTTTTAGTTAAATGTTTAGATCCTCAGAACTACATTAGTGCCTACTATTACTTACTCT
GTCTCTTGTAAAGGCTAAATCTGCGCTTCTCCCTGGTGCCAGCAGGTTCCCTCACAGTCAATGCAGTG
GTATAGCATATCCTCACATTTCTAGTGCCCTTGAGACTGTGCTATGGAACCAATCTTGAACATACATGCA
TTGACTTGACAAGTTACTGAGTAAGCAGCATATTCAGCAGGTGCCACTACATGCCTACTCTGCCAGACAC
TGAGCTTGGGGCCCTAGGGAAGATAGAGAATTATACAAGGCAAAGTCCTTCTTTAGGGCTCTTACAAT
CTATCACTTCCAAAAAGTAAATGGTGACTGATAAAACAATTGGCAGAACCCTGTTTGATTACTGTGACAGT
CTTAATGATATACCATAAATCAATATTAGAAAGTGGTTGACTTAAAGCCTGAAATAATGGGAGCTTCTCC
TCCACTTATTAGAATAAGGACCCCTCAGTGACTAATTATTGTGGGTAGGGTCAAGATTAACTAGTTTTATA
CAGAGTCTGCTGTAAATAGTCATTTTGCATTTGATTAGTGCAGTCTCTGAATCATAAAGCAAGTTTTA
CCTCTCTGTACATGTTTTTGCAGACATACTTGAAAAGCTCACTTAAATCTAGGTGCTTCAATCACTTTC
TTGAGAGGACAAATGAAAAGCTGTGGAGAAAATGTCCTCATTAAAGTATTAAGTGTGGGCAGAATTACA
ATTACAAAGTGCCAGCCACCGAATAAAGATAAAAGTTCAAGTCTTAAATGAGTTTTTATGAGATAACAG
TCAGTGATCTTGGTGTTACCGGGATTCCACATGGGGCAGTGGGAAAGAGTTCAGGTTTTGAAGGTAACCT
AGTTATGATTTGAATCCAGCTATGTGACAGTTGGTTGAATTAGTAGTAGTCTGAGCCTCAGCGCTCA
TCTATAAAATGACTGGCGAAAATACTTCACAAGCTCATTTTGAGCACTTTAGGAAGTAAGTGAAAGTACC
TAAATAGCAGGCACCCAATTGATGATTTTATATCTTCTTCTTGGCTGCAGTGATTTTCAAGATGTCT
CATATCTATTTATAGGTCTAAAATTATATCTTAAGGTATGTTGTAGAATAAATTAAGGATAATCTAAA
TCACCATTTAGATTAAGCTTGACTTGCAAACTAGGAAGAAGCACCTAGGCTTTCTTTGAAAATATTTTTT
TGGTTCGTTTTGGTAAAGCTCTATAAATTGGTATCTATTATTTTACCAATTTTTTTTTTAGTATTAAGTCC
ATTTAGAATAACCATATTTATTTATGGAATAATTAGCATGAGGAAGGTATAATTGCATTTTTTTTTTTT
GAGACGGAGTCTTGCACTGTAGCCCCAGCTGGACTGCAGTGGCGTGATCTTGGCTCACTGCAACCTCCGC
CTCCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGCAGCTGAGACTACAGGCGCCTGCCACCACG
CCTGGCCAATTTTTTGTATTTTTTAGTAGAGACTGCGTTTACCATGTTGGGCAGGCTGGTCTTGAAGTCC
TGACCTTGTGATCCACCTGCCTCGGCTCTCAGAGAGCTGGGATTACAGGTGTGAGCCGCCGTGCCAGC
CATTGCATTTTTATTACATACACATTGTTAATGTGGAACAATTTAACACTAATCTCATCAGAGAGCGAG
ATGAATGTGGCAATTGCTCATTTTATTTTGCATATATTAATTTAGTAGGTTTCAAGTCTAATACATACCTTA
AGAAAAATGCATATCGGTGCACTGTATGTATTTCAAATGCCTTTCTTATGATTGTATGCTCCTCTTTA
AGGCTTTTCCCTCAAATTTATTACAAATTTAGTATTTTGTACTTGTGACTCTAATTACATGAATGCA
CCTGGAATGACATTTGTAACAGAAGACGGTCTGACTTGTCTTTCAGTATTCACAAGTTCTTTCCAGTTTCC
AAGTCTTTTCTAGCAGTAATTTAGGGGAGACAGAGGAGTTTCATGTAAAGAGCATGCAGTTTGGAGTCA
GAACCTGGGTATGACTCTGTGGCCTGATGAAGCAAGTTACTTAACTCTTGAGTTTTAGCTTTCTCCTT
TACAATGCATGAATGCCTATCCCCCTACAAAACAAAGATTAAATGTGATGATGTATGCCAAGGTGCTTTG
TATATTGTAAAGTGCTATATAATTATAAGATGTTCTAAATTTTCAAGGATCTAAACCAGGGATTGGCAAA
CGTTTTTCCAGGGAGTAAATATTTTACGCTTTGCATATATAATTTATGGAGGTGTTGAGAGGATAGATTA
GACACTTGAAGTACTCAGGATAGTGCTGGCATGTAGGAAGCACCTGAAAATATTGCTGTGATTACCA
TCAGTCCATTTTACCGAGGAAGGAGCCAAAGTCCAGGCCCACTGAAGGACTTGACATAACATTACAATAGC

Figure 12 (continued).

AGTGGCAGAACCAGCCATGCTTCTGCAAATCACAACCTCTTTGAGCCTCTGTACCTGAACTGCAAAATG
AGTGGGTTAGACAAAATCATCTGTTGGGACCTCCTAGTTCCACGTGCTATCATTCTACTAACTGGCACCC
TAAGGTTGAAAGTGCTTATCTGCTTCCAATGTGGCTTCTTACAGTCTGGAAGTACAATATGCAGGAG
CAGTAACTGGCAGAAAACCAGGAATCAGAGAAAGAAAATATAATTTAACTTTAAAGATGTAAATTATAT
ATATAGTATATATATATATATTTTTTAAAGCTTTATATGCCTCAAATATCAGGGAAAGGAGCCAAAGTCCTTG
GTATTTAGTTTGGTGAATACTTGCATTGAATACATGTCAAGATGTCAAGTCATTTTTGAATGTGTCTCAG
GGATTTCTATGCTACACATTCTTTTAAACAAATCAAGTATTTATGTACACATGTTTCAGATTTTTTGACAAA
ATGATTAAATAATGAGATGGAAAATGAAAAAAAAAAAAAAAAA

Figure 12 (continued).

AGCCCTTTGTTTATGGCCTGATCTAGCTAAGGCTTCTAGACTTCAGGAGCTTAAGAATCGTCCGGAGGGC
TGGGCGTGGCGGTGCAGGCCTGTAGTCCCACCCACTCCGAAGGCTGCGGAGGGAGGATCAACTTGAGTCT
GGGAAGTCAAGCAGGAATTCAAGACCAGCCTGGGCAACACAGTGAGGCCCCCTACCCACATCCTCTCCGT
CCCCGCAATCTCCTTCCATCCCAGGCTGTTGCTGAAAATGTGAGATGCAAAATTTGGATAGCAGCAAGAAG
AATTTCTTGGAGGGGGAAGTAGATGATGAGGAAAGTGTGATTTTGACACTGGTGCCAGTTAAAGATGACG
CAAATATGGAACAAATGGAACCAAGCGTTTCTTCAACTTCTGATGTCAAAGTGGAGAAGCCTAAGAAATA
CAATCCAGGTCATCTACTTCAAACAAATGAGCAATTTACAGCTCCACAAAAGCTAGATGCAAAATACCA
GCCCTTCCCTTGCCGACCATTGTCCTCCCATTAATAAGGTGTGTGCGGACACTTTGCGGGACTGGTGTC
AACAAGTCCGTTTGTAGTACTAATGGCAAGAAAATCGAAGTTTATCTGAGGCTTCATAGGCATGCTTACCC
TGAACAACGGCAAGATATGCCTGAAATGTCAAGAGACCAGATTACAGCGATGTTGAGGAAACGCAAG
GCAGTGACCAAGAGAGCAAGGCTTCAGAGAAGTTATGAGATGAATGAGAGAGCAGAAGAGACCAATACAG
TTGAAGTGATAACTTCAGCACCGGGAGCCATGTTGGCATCATGGGCAAGAATGCTGCAAGAGCTGTTCA
GCCTAAGGCTTTGAATTATGTTCCATTCTGTTTCTGTTGAGGCTTTTTGATGCAAGCCTCTGGCGTC
AGGTGGTGTGTGGTCCATGGCAGACTTCTCTCGGCAGACACAAAGGGTGGGTACGCCTGCAGTTTCATG
CAGGTGAGGCTGGGTGCCTACCACTCACAGGAGGATGATTTCTCTTCTTGTACCTGCCTGCATTTT
CCCATCCCCAGGCATAGAAGATAATATGTTATGCCCCGACTGTGCTAAGAGGAATAAGAAGATGATGAAA
AGATTAATGACAGTAGAGAAGTAGCAGCAACCTGTTTGAATACAATGTACTAAAGGAGGGATGTACTTTC
AGATCATGTAACCTATTACGAAGGAGTGGAAGAGGAGACAATTTGAATGAATCCTCATGATCTACAAAAC
AAAATCATAGTGACTAGGACTCCACAGTGAAGATGGTTGACTAGTGACACAGCCCCATCTAAAGAAATCCC
TTTCTGTATGCTGAAAACCCATTAAAATAAAGTCACTGCAATTGGCCTTGTAATAAAAAAAAAA

Figure 13.

TGGAGCTCCGGTTTTTCAGCCTCTTTCCGGGCTACCTGGTAGCAATTTGAGGCTCTGTATCAGTTTCTGC
TACGTTTTCAAAGATCCTGGAGAAGCCTAGTGTTGTGTCAAGACGCCGATGGACCCATCACAGTTAATCC
AACCTACATCCCAGGGTCTCCACAAATGCTCACCGAAGAAAATTTCCCGGACGATTACAGGGCCTCTCAA
ATCTCCTCCGAGACGTTGATAAAGAACCTTAGTAACCTGACTATCAACGCTAGTAGCGAATCTGTTTCCC
CTCTATCGGAAGCTTTACTCCGTCGAGAGTCTGTAGGAGCAGCAGTCCTCAGGGAAATCGAAGATGAGTG
GCTTTACAGCAGGAGAGGAGTAAGAACATTGCTGTCTGTGCAGAGAGAAAAGATGGCAAGATTGAGATAC
ATGTTACTCGGCGGAGTTTCGTACGCATGAAAGAAGACCAACAAACAAGGAGCCTAAGGGAGTTAAGAAGG
AATCAAGACCATTCAAATGTCCCTGCAGTTTCTGCGTGTCTAATGGATGGGATCCTTCTGAGAATGCTAG
AATAGGGAATCAAGACACCAAGCCACTTCAGCCATAAATCTTATTCTTGCACCTTTTTTTCTTGGTAGTA
ATTTTATATAGCAGGTTGAGAAAGCTACTCTATGCTAGTATAGACTATACCAATAATTTTGATAATGA
GTTCTAGGATGTATTTTTCTTGTATCTTTTTCTTCTACTATGATACTAGTAATTCATAAGGGATCTGTG
TAATCTGAATGTATTTGAATAACTTTAGCTCTACTGTTTGATTTGACCCAAAGAAGCCAAGATGATATAA
GTATTTCCCATGTGTCTTAGAAGCCCAAAGTCAGTGAGATGAAACCCAACATCAAGAAATTGAAGCAAAGT
TACTTATGGATAAAGAAAGCATTAGGTAGTTGGGCTATAGCATAATTAGATTTTTCTGGCTTTCAAAAATT
TGGATTGCAATCACAGCAAACCTTGTATTTTTTACAGTTTTCAGTACAAAAGTGTATATAGAAACAAT
AAAGTTGACATTTGAGTACCTTTTAAAAA

Figure 14.