

GGCTACAGCAACACACCCGGGGCCAGGTTATTTTCAAAGATGCTTTAGCCCAGCAGTTGTGT
GAACAAGGAG

Exon 5 → human 33 bp mouse 33 bp
CTCCAACAGATGTCACTGTGCACCCACATCTAG

Exon 6 → human 79 bp mouse 79 bp

CTGAAATACATAGTGACAGCATTATCCTGAGAGATGACTTTGACTCCTACCACCAACTGCAAT
TAAATCCAAATATATG

Exon 7 → human 97 bp mouse 97 bp

GGTTGAATGTAACAACACTGTGAGACTGGAGAACAGTGTGGCGCGATTATGCATGGCAATGCC
GTCACCTTCTGTGAACCATATGGCCCACGAGAACTG

Exon 8 → human 52 bp mouse 52 bp
ATTACCACAGGCCTTAATACAACAACAGCTTCTGTCTCCAATTTTCCATTG

Exon 9 → human 97 bp mouse 97 bp

GGTCAGGTTTCATGTCGCTTTAGTTATTCAGACCCCAGCATCATCGTGTTATATGCCAAGAATA
ACTCTGCGGACTGGATTCAGCTAGAGAAAATTAG

Exon 10 → human 241 bp mouse 241 bp

AGCCCCTTCCAATGTCAGCACAATCATCCATATCCTCTACCTTCCTGAGGACGCCAAAGGGG
AGAATGTCCAATTTTCAAGTGGAAAGCAGGAAAATCTTCGTGTAGGTGAAGTGTATGAAGCCTGC
TGGGCCTTAGATAACATCTTGATCATCAATTCAGCTCACAGACAAGTCGTTTTAGAAGATAGT
CTCGACCCAGTGGACACAGGCAACTGGCTTTTTCTTCCCAGGAGCTACAGTTAAG

Exon 11 → human 146 bp mouse 146 bp

CATAGCTGTCAGTCAGATGGGAACTCCATTTATTTCCATGGAAATGAAGGCAGCGAGTTCAA
TTTTGCCACCACCAGGGATGTAGATCTTTCCACAGAAGATATTCAAGAGCAATGGTCAGAAG
AATTTGAGAGCCAGCCTACAGG

Exon 12 → human 152 bp mouse 152 bp

ATGGGATGTCTTGGGAGCTGTCATTGGTACAGAATGTGGAACGATAGAATCAGGCTTATCAA
TGGTCTTCTCAAAGATGGAGAGAGGAAATTATGCACTCCATCCATGGACACTACCGGTTAT
GGAACCTGAGGTTTTACTTTGTGATGG

Exon 13 → human 113 bp mouse 113 bp

GAGGAATTTGTGACCCTGGAAATTCTCATGAAAATGACATAATCCTGTATGCAAAAATTGAAG
GAAGAAAAGAGCATATAACACTGGATACCCTTTTCTATTCTCATATAAG

Exon 14 → human 209 bp mouse 209 bp

GTTCCGTCTTTGGTTTCTGTGGTCATCAATCCTGAACTTCAGACTCCTGCTACCAAATTTTGT
CTCAGGCAAAGAACCATCAAGGACATAATAGGAATGTCTGGGCTGTAGACTTTTTCCATGT
CTTGCCTGTTCTCCCTTCTACAATGTCTCACATGATACAGTTTTTCCATCAATCTGGGATGTGG
AACGCATCAGCCTGGTAACAG

Exon 15 → human 129 bp mouse 129 bp

TGTCAGCTTGGAAATTTTCTACCAACCATGGGCGCTCCTGGTCCCTCCTTCACACTGAATGCT
TACCTGAGATCTGTGCTGGACCCACCTCCCCACAGCACTGTCTACTCCTCTGAAAACACTAC
AGTGG

Exon 16 → human 110 bp mouse 110 bp

GTGGAACCGAATAACAATTCCCCTTCCCTAACGCAGCACTAACCCGGAACACCAGGATTCGCT
GGAGACAAACAGGACCAATCCTTGGAAACATGTGGGCAATTGATAATG

Exon 17 → human 67 bp mouse 67 bp

TTTATATTGGCCCGTCATGTCTCAAATTCTGTTCTGGCAGAGGACAGTGCCTAGACATGGT
TGCAA

Exon 18 → human 234 bp mouse 234 bp

GTGTGACCCTGGATTTTCTGGCCAGCTTGTGAGATGGCATCCCAGACATTCCCAATGTTTA
TTTCTGAAAGCTTTGGCAGTTCCAGGCTCTCCTCTTACCATAACTTTTACTCTATCCGTGGTG
CTGAAGTCAGCTTTGGTTGTGGTGTCTTGGCCAGTGGTAAGGCCCTGGTTTTCAACAAAGAA
GGGCGGCGTCAGCTAATTACATCTTTCCTTGACAGCTCACAATCCAG

Exon 19 → human 162 bp mouse 162 bp

GTTTCTCCAGTTCACACTGAGACTGGGGAGCAAATCTGTTCTGAGCACGTGCAGAGCCCCT
GATCAGCCTGGTGAAGGAGTTTTGCTGCATTATTCTTATGATAATGGGATAACTTGGAACTC
CTGGAGCATTATTCATATCTCAGCTATCATGAGCCCAG

Exon 20 → human 237 bp mouse 237 bp

AATAATCTCCGTAGAACTACCAGGTGATGCAAAGCAGTTTGGAAATTCAGTTCAGATGGTGGC
AACCGTATCATTCTTCCCAGAGAGAAGATGTATGGGCTATTGATGAGATTATCATGACATCTG
TGCTTTTCAACAGCATTAGTCTTGACTTTACCAATCTTGTGGAGGTCACTCAGTCTCTGGGAT
TCTACCTTGGAAATGTTTCAGCCATACTGTGGCCACGACTGGACCCTTTG

Exon 21 → human 193 bp mouse 193 bp

TTTTACAGGAGATTCTAAACTTGCCTCAAGTATGCGCTATGTGGAAACACAATCAATGCAGAT
AGGAGCATCCTATATGATTAGTTCAGTTTGGTGTATGGGATGTGGCCAGAAATACACCCCAC
ACATGGACAACCAGGTGAAGCTGGAGTACTCAACCAACCACGGCCTTACCTGGCACCTCGT
CCAAGAA

Exon 22 → human 113 bp mouse 113 bp

GAATGCCTTCCAAGTATGCCAAGTTGTCAGGAATTTACATCAGCAAGTATTTACCATGCCAGT
GAGTTTACACAGTGGAGGAGAGTCATAGTGCTTCTTCCCCAGAAAACCTTG

Exon 23 → human 138 bp mouse 138 bp

GTCCAGTGCTACCCGTTTCCGCTGGAGCCAGAGCTATTACACAGCTCAAGACGAGTGGGCT
TTGGACAGCATTACATTGGGCAGCAGTGCCCAACATGTGCAGTGGGCATGGCTCATGCG
ATCATGGCATATGCAG

Exon 24 → human 187 bp mouse 187 bp

GTGTGACCAGGGGTACCAAGGCACTGAATGCCACCCAGAAGCTGCCCTTCCGTCCACAATT
ATGTCAGATTTTTGAGAACCAGAATGGCTGGGAGTCTGACTGGCAAGAAGTTATTGGGGGAG
AAATTGAAAACCAGAACAAGGGTGTGGTGTCTCTCTTCTGGATCATCTCTGTACTTCAGCA
AG

Exon 25 → human 206 bp mouse 206 bp

GCTGGGAAAAGACAGCTGGTGAGTTGGGACCTGGATACTTCTTGGGTGGACTTTGTCCAGT
TCTACATCCAGATAGGCGGAGAGAGTGTTCATGCAACAAGCCTGACAGCAGAGAGGGAGGG
CGTCCTCCTTCAGTACAGCAACAATGGGGGCATCCAGTGGCACCTGCTAGCAGAGATGTAC
TTTTCAGACTTCAGCAAACCCAG

Exon 26 → human 172 bp mouse 172 bp

ATTTGTCTATCTGGAGCTTCCAGCTGCTGCCAAGACCCCTTGCACCAGGTTCCGCTGGTGG
CAGCCCGTGTCTCAGGGGAGGACTATGACCAGTGGGCAGTCGATGACATCATCATTCTGT
CCGAGAAGCAGAAGCAGATCATCCCAGTTATCAATCCAACCTTTACCTCAG

Exon 27 → human 201 bp mouse 201 bp

AACTTTTATGAGAAGCCAGCTTTTTGATTACCCTATGAATCAGATGAGTGTGTGGTTGATGTTG
GCTAATGAAGGAATGGTTAAAAATGAAACCTTCTGTGCTGCCACACCATCAGCAATGATATTT
GGAAAATCAGATGGAGATCGATTTGCAGTAACTCGAGATTTGACCCTGAAACCTGGATATGT
GCTACAGTTCAAG

Exon 28 → human 233 bp mouse 233 bp

CTAAACATAGGTTGTGCCAATCAATTCAGCAGTACTGCTCCAGTTCTTCTTCAGTACTCTCAT
GATGCTGGTATGTCTGGTTTCTGGTGAAAGAAGGCTGTTACCCGGCTTCTGCAGGCAAAG
GATGCGAAGGAAACTCCAGAGAACTAAGTGAGCCCACCATGTATCACACAGGGGACTTTGA
AGAATGGACAAGAATCACCATTGTTATTCCAAGGTCTCTTGCATCCAG

Exon 29 → human 158 bp mouse 158 bp

CAAGACCAGATTCCGATGGATCCAGGAGAGCAGCTCACAGAAAAACGTGCCTCCATTTGGT
TTAGATGGAGTGTACATATCCGAGCCTTGTCCCAGTTACTGCAGTGGCCATGGGGACTGCAT
TTCAGGAGTGTGTTTCTGTGACCTGGGATATACTG

Exon 30 → human 208 bp mouse 208 bp

CTGCACAAGGAACCTGTGTGTCAAATGTCCCAATCACAATGAGATGTTTCGATAGGTTTGAG
GGGAAGCTCAGCCCTCTGTGGTACAAGATAACAGGTGCCCAGGTTGGAAGTGGCTGTGGAA
CACTTAACGATGGCAAATCTCTCTACTTCAATGGCCCTGGGAAAAGGGAAGCCCGGACGGT
CCCTCTGGACACCAGGAATATCAG

Exon 31 → human 78 bp mouse 77 bp

ACTTGTTCAATTTTATATACAAATTGGAAGCAAACTTCAGGCATTACCTGCATCAAACCAAG
AACTAGAAATGAAGG

Exon 32 → human 158 bp mouse 159 bp

GCTTATTGTTTCAGTATTCAAATGACAATGGGATACTCTGGCATTGCTTCGAGAGTTGGACTT
CATGTCCTTCCCTGGAACACAGATCATTTCCATTGACCTGCCACAGGACGCGAAGACACCTG
CAACGGCATTTCGATGGTGGCAACCGCAACATG

Exon 33 → human 189 bp mouse 189 bp

GGAAGCATTTCAGCCCAGTGGGCTTTGGATGATGTTCTTATAGGAATGAATGACAGCTCTCAA
ACTGGATTTCAAGACAAATTTGATGGCTCTATAGATTTGCAAGCCAAGTGGTATCGAATCCAA
GGAGGTCAAGTTGATATTGACTGTCTCTCTATGGATACTGCTCTGATATTCACTGAAAACATA
G

Exon 34 → human 274 bp mouse 274 bp

GAAAACCTCGTTATGCTGAGACCTGGGATTTTCATGTGTCAGCATCTACCTTTTTGCAGTTTG
AAATGAGCATGGGCTGTAGCAAGCCCTTCAGCAACTCCCACAGTGTACAGCTCCAGTATTCT
CTGAACAATGGCAAGGACTGGCATCTTGTCAACGAAGAGTGTGTTCCCTCCAACCATGGCTG
TCTGCATTACACGGAAAGTTCAATTTACACCTCGGAAAGATTCCAGAATTGGAAGCGGATCA
CTGTCTACCTTCCACTCTCCACCAT

Exon 35 → human 141 bp mouse 141 bp

TTCTCCCAGGACCCGGTTCAGATGGATTCAGGCCAACTACACTGTGGGGGCTGATTCCTGG
GCGATTGATAATGTTGTAAGTGGCTCAGGGTGGCCCTTGGATGTGCTCAGGACGAGGGATTT
GTGATGCTGGACGCTGTGT

Exon 36 → human 178 bp mouse 178 bp

GTGTGACCGGGGCTTTGGTGGACCCTATTGTGTTCCCTGTTGTTCCCTCTGCCCTCGATTCTTA
AAGACGATTTCAATGGGAATTTACATCCTGACCTTTGGCCTGAAGTGTATGGTGCAGAGAGG
GGGAATCTGAATGGTGAACCATCAAATCTGGAACATCTCTAATTTTTAAAGG

Exon 37 → human 85 bp mouse 85 bp

GAAGGACTAAGGATGCTTATTTCAAGAGATCTAGATTGTACAAATACAATGTATGTCCAGTTT
TCACTTAGATTTATAGCAAAAA

Exon 38 → human 183 bp mouse 183 bp

GTACCCAGAGAGATCTCACTCTATTCTGTTACAATTCTCCATCAGTGGAGGAATCACTTGG
CACCTGATGGATGAATTTTACTTTCTCAAACAACGAATATACTTTTCATCAATGTTCCCTTGC
CATACACTGCCCAAACCAATGCTACAAGATTCAGACTCTGGCAACCTTATAATAACG

Exon 39 → human 172 bp mouse 172 bp

GTAAGAAAGAAGAAATCTGGATTGTTGATGACTTCATTATCGATGGAAATAATGTAAACAACC
CTGTGATGCTCTTGGATACATTTGATTTTGGGCCAGAGAAGACAATTGGTTTTTCTATCCTG
GTGGTAACATCGGTCTTTATTGTCCATATTCTTCAAAGGGGGCACC

Exon 40 → human 103 bp mouse 103 bp

TGAAGAAGATTCAGCTATGGTGTGTTTGTTCAAATGAAGTTGGTGAGCATTCCATTACCACCCG
TGACCTAAATGTGAATGAGAACACCATCATACAATTTGAG

Exon 41 → human 230 bp mouse 230 bp

ATCAACGTTGGCTGTTTCGACTGATAGCTCATCCGCGGATCCAGTGAGACTGGAATTTTCAAG
GGACTTCGGGGCGACCTGGCACCTTCTGCTGCCCTCTGCTACCACAGCAGCAGCCACGT
CAGCTCTTTATGCTCCACCGAGCACCACCCAGCAGCACCTACTACGCAGGAACCATGCAG
GGCTGGAGGAGGGAGGTGCGTGCACCTTTGGGAAGCTGCACCTTTGTGG

Exon 42 → human 221 bp mouse 221 bp

ATCTGTCCGTTTCAGATGGTACCAGGGATTTTACCCTGCCGGCTCTCAGCCAGTGACATGG
GCCATTGATAATGTCTACATCGGTCCCCAGTGTGAGGAGATGTGTAATGGACAGGGGAGCT
GTATCAATGGAACCAAATGTATATGTGACCCTGGCTACTCAGGTCCAACCTGTAAAATAAGC
ACCAAAAATCCTGATTTTCTCAAAGATGATTTTGAAG

Exon 43 → human 148 bp mouse 148 bp

GTCAGCTAGAATCTGATAGATTCTTATTAATGAGTGGTGGGAAACCATCTCGAAAGTGTGGA
ATCCTTTCTAGTGGAAACAACCTCTTTTTCAATGAAGATGGCTTGCGCATGTTGATGACACGA
GACCTGGATTTATCACATGCTAG

Exon 44 → human 259 bp mouse 259 bp

ATTTGTGCAGTTCTTCATGAGACTGGGATGTGGTAAAGGCGTTCCTGACCCAGGAGTCAAC
CCGTGCTCCTACAGTATTCTCTCAACGGTGGCCTCTCGTGGAGTCTTCTTCAGGAGTTCCTT
TTCAGCAATTCCAGCAATGTGGGCAGGTACATTGCCCTGGAGATACCCTTGAAAGCCCGTTC
TGGTTCTACTCGCCTTCGCTGGTGGCAACCGTCTGAGAATGGGCACTTCTACAGCCCCTGG
GTTATCGATCAG

Exon 45 → human 250 bp mouse 250 bp

ATTCTTATTGGAGGAAATATTTCTGGTAATACGGTCTTGGGAAGATGATTTTACAACCCTTGAT
AGTAGGAAATGGCTGCTTCACCCAGGAGGCACCAAGATGCCCGTGTGTGGCTCTACTGGTG
ATGCCCTGGTCTTCATTGAAAAGGCCAGCACCCGTTACGTGGTCAGCACAGACGTTGCCGT
GAATGAGGATTCCTTCTACAGATAGACTTCGCTGCCTCCTGCTCAGTCACAGACTCTTGT
ATG

Exon 46 → human 169 bp mouse 169 bp

CGATTGAATTGGAATACTCAGTAGATCTTGGATTGTCATGGCACCCATTGGTAAGGGACTGT
CTGCCTACCAATGTGGAATGCAGTCGCATCATCTGCAACGGATCCTGGTGTGACAGACTTT
CAACAAGTGGACTAGAATCACTCTGCCTCTCCCTCCTTATACCAG

Exon 47 → human 141 bp mouse 141 bp

GTCCCAAGCCACTCGTTTTCCGTTGGCATCAACCAGCTCCTTTTGACAAGCAGCAGACATGG
GCAATAGATAATGTCTATATCGGGGATGGCTGCATAGACATGTGCAGTGGCCATGGGAGAT
GCATCCAGGGAAACTGCGT

Exon 48 → human 179 bp mouse 179 bp

CTGTGATGAACAGTGGGGTGGCCTGTACTGTGATGACCCCGAGACCTCTCTTCCAACCCAA
CTCAAAGACAACCTCAATCGAGCTCCATCCAGTCAGAACTGGCTGACTGTGAACGGAGGGA
AATTGAGTACAGTGTGTGGAGCCGTGGCGTCGGGAATGGCTCTCCATTTTCACTGGGG

Exon 49 → human 193 bp mouse 193 bp

GTTGTAGTCGATTATTAGTCACTGTGGATCTAAACCTCACTAATGCTGAGTTCATCCAATTTT
ACTTCATGTATGGGTGCCTGATTACACCAAACAACCGTAACCAAGGTGTTCTCTTGGAAATATT
CTGTCAATGGAGGCATTACCTGGAACCTGCTCATGGAGATTTTCTATGACCAGTACAGTAAG
CCCGG

Exon 50 → human 257 bp mouse 257 bp

ATTTGTGAATATCCTTCTCCCTCCTGATGCTAAAGAGATTGCCACTCGCTTCCGCTGGTGGC
AGCCAAGACATGACGGCCTGGATCAGAACGACTGGGCCATTGACAATGTCCTCATCTCAGG
CTCTGCTGACCAAAGGACCGTTATGCTGGACACCTTCAGCAGCGCCCCAGTACCCCAGCAC
GAGCGTCCCCTGCAGATGCCGGCCCTGTCGGGAGGATCGCCTTTGACATGTTTATGGAAG
ACAAAACCTTCAG

Exon 51 → human 155 bp mouse 155 bp

TGAATGAGCACTGGCTATTCCATGATGATTGTACAGTAGAAAGATTCTGTGACTCCCCTGAT
GGTGTGATGCTCTGTGGCAGTCATGATGGACGGGAGGTGTATGCAGTGACCCATGACCTGA
CTCCCCTGAAGGCTGGATTATGCAATTCAAG

Exon 52 → human 215 bp mouse 215 bp

ATCTCAGTTGGATGTAAGGTGTCTGAAAAAATTGCCCAGAATCAAATTCATGTGCAGTATTCT
ACTGACTTCGGTGTGAGTTGGAATTATCTGGTCCCTCAGTGCTTGCCTGCTGACCCAAAATG
CTCTGGAAGTGTCTCAGCCATCTGTATTCTTTCCAATAAAGGGTGGAAAAGGATCACCTA
CCCACCTTCTGAAAGCTTAGTGGGAAA

Exon 53 → human 178 bp mouse 178 bp

TCCGGTAAGGTTTAGGTTCTATCAGAAGTACTCAGACATGCAGTGGGCAATCGATAATTTCT
ACCTGGGCCCTGGATGCTTGGACAACCTGCAGGGGCCATGGAGATTGCTTAAGGGAACAGTG
CATCTGTGATCCGGGATACTCAGGGCCAACTGCTACTTGACCCACACTCTGAAG

Exon 54 → human 176 bp mouse 176 bp

ACTTTCCTGAAGGAACGCTTTGACAGTGAAGAAATCAAACCTGACTTATGGATGTCCTTAGAA
GGTGGAAAGTACTTGCCTGAGTGTGGAATTCTTGCCGAGGACACTGCACTCTATTTTGGGG
GATCCACTGTGAGACAAGCGGTTACACAAGATTTGGATCTTCGAGGTGCAAA

Exon 55 → human 107 bp mouse 107 bp

GTTCTGCAATACTGGGGGCGCATCGGTAGTGAGAACAACATGACCTCTTGCCATCGTCCC
ATCTGCCGGAAGGAAGGCGTGCTGTTGGACTACTCTACCGATGGAG

Exon 56 → human 243 bp mouse 243 bp

GAATTACCTGGACTTTGCTCCATGAGATGGATTACCAGAAATACATTTCTGTTAGACACGACT
ACATACTTCTTCTGAAGATGCCCTCACCAACACAACCTCGACTTCGCTGGTGGCAGCCTTTT
GTGATCAGCAATGGAATTGTGGTCTCTGGGGTGGAGCGTGCTCAGTGGGCACTGGACAACA
TTTTGATTGGTGGAGCAGAAATCAATCCCAGCCAATTGGTGGACACTTTTGATGATG

Exon 57 → human 177 bp mouse 176 bp

AAGGCACTTCCCATGAAGAAAACCTGGAGTTTTTACCCTAATGCTGTAAGGACAGCAGGATTT
TGTGGCAATCCATCCTTTACCTCTATTGGCCAAATAAAAAGAAGGACAAGACTCACAATGCT
CTCTCCTCCCGAGAACTCATTATACAGCCAGGATACATGATGCAGTTTAAAA

Exon 58 → human 74 bp mouse 75 bp

TTGTGGTGGGTTGTGAAGCCACTTCTTGTGGTGACCTTCATTCCGTAATGCTGGAATACACT
AAGGATGCAAGA

Exon 59 → human 161 bp mouse 161 bp

TCGGATTCTGGCAGCTCGTACAGACCCAGTGCCTTCCTTCCTCTTCTAACAGCATTGGCTG
CTCCCCTTTCCAGTTCCATGAAGCCACCATCTACAACCTCTGTCAACAGCTCAAGCTGGAAAA
GAATCACCATCCAGCTGCCTGACCATGTCTCCTCTAG

Exon 60 → human 158 bp mouse 158 bp

TGCAACACAGTTCCGCTGGATCCAGAAGGGAGAAGAACTGAGAAGCAAAGCTGGGCAATT
GACCACGTGTACATTGGAGAGGCTTGCCCCAAGCTCTGCAGCGGGCAGGATACTGCACG
ACCGGTGCCATCTGCATCTGCGACGAGAGCTTCCAAG

Exon 61 → human 220 bp mouse 220 bp

GTGATGACTGCTCTGTTTTAGTCACGACCTTCCCAGTTATATTAAGATAATTTTTGAGTCCG
CAAGAGTCACCGAGGCAAACCTGGGAGACCATTCAAGGTGGAGTCATAGGAAGTGGCTGTGG
GCAGCTGGCCCCCTACGCCCATGGAGACTCACTGTACTTTAATGGCTGTCAGATCAGGCAA
GCAGCTACCAAGCCTCTGGATCTCACTCGAGCAAG

Exon 62 → human 198 bp mouse 198 bp

CAAAATCATGTTTGTGTTTTGCAAATTGGGAGCATGTGCGACGACGGACAGCTGCAACAGTGACC
TGAGTGGCCCCCAGCTGTGGACAAGGCGGTGCTGCTGCAATACAGCGTCAACAACGGGA
TCACCTGGCATGTCATCGCCAGCACCAGCCAAAGGACTTCACACAAGCTCAGAGAGTGTC
TTACAATGTCCCCCT

Exon 63 → human 99 bp mouse 99 bp

GGAGGCACGGATGAAAGGAGTCTTACTGCGCTGGTGGCAACCACGCCACAATGGAACAGG
TCATGATCAATGGGCTTTGGACCATGTGGAGGTCGTCT

Exon 64 → human 6 bp mouse 6 bp
AGTAAG

Exon 65 → human 1119 bp mouse 1104 bp

CACTCGCAAACAAAATTACATGATGAATTTTTACGACAACATGGGCTCAGACATTTCTACAA
CAGAAGACGAAGGTCACCTTAGGCGATACCCATGAAGAATCAAAAAGTTATTTTTTTCTTCC
AACATGTGATGTGTTGCTCTCCATTCTTTAAATCTCGCACTACATCTGATATCAGGAAATATC
TGTGAAGGACTTGGTGATTACCTGAAAGCCCTTCTCAAGACCGAGTGTACACCACCTTTCCCA
CACTGTGAACTAATGACAAGTGACTTATTTGCTCATAAGTAAATGTCTTCATGTTGATGTGTC
CGTGAAGTTGTGATCTGTTGTAATATCAGTTACAGTGGCAGTATTGACAATAAGAAACAGTT
TAACAGAAAAATGAAATTTAAGCACAAAAAATTTAAGAGATTTTATGTTTAAAATGGCATTAG
CACAGTATTTAACATTCTTGGTCACAAAGCTATTTAAGTGGACTGTATTTAGCTATGTCTCAT
GTTTTATATGATTAATTATCATTGTTTGCCTTTATGTATTCTTCTACAATACAACACATTG
AAACTGTATTTACTTGTATGTTGTAATTTTTGCTGCTGAATTTGGGGCTACTTATATTCTGC
AGAAAATTAATTGAAATACCTATTCAAGAAGATAGTTGTAAAGATATTGTATCTCCTTTAATAT
ACTCCTTAAAAATGTATGTTGGTTTAGCGTTGTTTTGTGGATAAGAAAAATGCTTGACCCTGA
AATATTTTCTACTTTAAATTGTGGATGAAGACCCTATCTCCACAAATAAGTTCCCATTTCTT
GTCTAAAGATCTTTTTTAAAGTGTCTGTGGCTGATTTACTAACAGTAACTGCCATTTTTTGTG
TGTGATAACAGAGTGATTTGTAACAGTGGTTGTTTTTTCATTGTGTTTTCTTCGTGGATTGT
TTTTTCTGCGGGTCATATTCATACCTTCTGATGAAGTTGTACAACACCAGCAACATTATAATG
GCCCTGTAGCTCTGAATGCTATTTGTGTAAGTAAAGGTTGCACTCTAGGGTGAACCAAGCT
ATAAAAGCCCATGCTTAAATAAAAATTATGTCCAAAAGCC- 3'