

>NC_000086.7:7579676-7595243

AGTTTCCACAAGCCAGGCTGATCCCCCTCTAGCAGTCCACTTCACCAAGGTGAGCGAGTGTCCCTGCTCTCCCCACCAGACACAGC
TCTGCTGGCGAAAGTGGCAGAGAGGTATTGAGGGTGGGTGTCAGGAGCCCACCACTACAGCTGGAACACCCAGCCACTCCAGGTA
AGGACTTTGGAAACTAATACCATTATCCTAAATGCCAGATAGGTGGAGCAGTTGGTCCTTAGACAGGGGCAAAAAGAAGTACTTTG
ATTGTTTGATGCACAGATAAACAGGATTTTTTTTAAACATATGTCTATCAACTGCTGGTCTCCAGGAATGCCGGAGCTTTAGGCAACTC
AAGATGCTGTCCAGCTATAACTAGAACTAGAAAGTGCATCTCTTGTTCTTTTCTCCTGCTGTCTTCATTTCTTCTCCTGTCTCCCCCT
GCTTCTTTGCCTGTCTCTGCCTTCCATCAGTGCCAGTCTCTGTCTCTTTCCAGGCTCTGACTATATGCCTGTCTGTCTCTTCCAGCCTG
GCCAGCCACAGTCCCTTTCTTCTCCTCCGCTCTCTGACTCTCGGCTCATCTTCCTTCAGCTGCTTTTGACCCGGTATTGAGCGCAGATA
TTGTACACAACCTGGCGCTTAATAATAATGGCTTAAGAGCTCTGTTTTCCAAGAACGGGCATTAGTTCTGTGTGTCTTAGGTTGTGAG
CTGTCAAGTCACTTAGCATTTAACTGACCTTCTGCTGTGTGCACGCAAGATAACACCCTCAGTCAGCCACAGTTTAGCAAAGGACT
ATATGACTGTGAGCAGAATCCATGTGCAAGGAGAGCAGGCAGTTCAGGACGAGGGTGAGCTGGTCTCTGCAGGTTTACTGTCTGTGGC
ACTGTGCCTGGTATATGGTGAGTTCTCACTGTTTGTCTATTAGCATTTTTAAACAAATTAGAATCGTGCTATAGATTGGATTGTTTCTGC
TCTGTTCAGCGATACCATTTTTGTAGCATACTAAAATAACGAACACGTGATCTTTATGTCTGCCGTGACTGTCTCTACATCACCATG
AATTTGATTACCTGAATTAAGTGCTGATGGTGGGATATTTGGGTTTCTCTGATTCTAAAACCTACATACCTGACTCCATGGATCCTGAA
AATGGAGTAGCTGGGAAGAAGGGGTGTACATCTTAAGGGGTTTGGCCTCTCTACAAATTGCTTTTCCAAAACGTTGTCTTATTTTCT
GTGTTTCTATTCAAGTTAATTTTAGGTGTGTATTACATTTTAACTCTTCCCCATCATAAGAAAAATGACAAGTATTAATAATTTTGCA
TTTTGGTTACTTTAATGACCACTGACCATTTGTGCTCTGTAGGCTAGAGTTTATGATCACATTCTTCATCTACTAAAATTGCTCATGAT
TTTTCAAAATTGCTAATAGCTCTTAATTTAGAAAGGATAATAACTATTGGCTATATGTATATGACACATATTTCCCTGAAATTCATCAT
TTGTGTGTATGTGTATTTAATGTATTCATTTACTTAGTTATGAGCATGCATGTTCTTCTGATGTGCACCATATGTGTGCCTGGTGC
CCACAGAGGCCAGAAGATGGTGTGGGATCTCATGGGACTGGAGTTACAGATGGTTACGTGGGTGCTGGCGCTTATGTGGCTCTTTCT
ATGGTTTTGTGTTTAAAAGCCTTTTACCACTTGAAAATGAGAAGCTACCTCCTCTACAAGAGCAGCAGTGTCTTACCCATGGAGCCA
TCTCTCCAGCCCTATTTGTATGGGGGGGGGGGTCTTCTGAGACAAGGTCTCACTCTATAGCCCTGACTGGCCTAAAACCTCACTGTAT
AGACCAGGCTGACCTCAAACCTACAAAAGACCCATCCATCTGCCTCTGCCTTCTGAGAAGTGGGATAGAAGACATACACCACCACGGC
GGGCAATCACTTGCTTTTTTTCCCTATTTATTGTGCTTTGTAATGCATGTGTCTTTTAGGTCTTTAGATTACTCTTTTCTGTGGGGCTTCT
GTGTATGGTTTTGTGTTTAAAGTCTTTTGCACTTGAAAATGAGATAACTGTTCACCCCATGTTGGCTTCCAGTCTCCTTATGGCTTCATT
TTTTCCATTTACTGCAGAGGTCAAAAGTGTGGGTATGGGAGCCAGACTGTCTGGAACAACCTAGCCTCAACTCAAGTCATCTGTGTGA
ATTTTACCCAGGCTCTTAACCTCTCTGTACCTCCATTTCTCGTATGTACTGTGATGATTATAACAGTACCTACCTCAGAGGATCTTTCT
GAGGATTATTTTTATTAATGATGGTAGGTGCTCAGCACAAGGCCAAACAACAATGATAGACATTAACACGTATCTCTCTAGTGGGTCT
GGAAATTATTCTAGAGCGTCTGATGACAGCGACATTTCAAGTGGGCAGGAGGTATTGGTGGGAAAGTGGGCTATCTACCCAGTCAC
TTTATTTTCCCTAATTGTCTCAGAATCATTTGTTAATCTGTCTGCACTGTTCTCTCATGTTGAAATGTGTGTTCATCACAATTTCCATT
CCCTCTGTGCATGGGTCTCTGCCACGGTTTTCTACTCTAATCTGTCTCTTAGTGTTTATTTCTGTACAAAGCCACACTATTTTTCTGATG
TTGCTTTGCAAAACAATTCAATACCAGCCATGGGTGTCTCTGGCACCTAGCAGCATCAGTCTCCAGCCAGAGGCCAGTGATTATTTT
CAGTCTTTCTCTCACTCCCTCTCTCTGTCTCTGCATGTCTGTCTGTCTGTATATGTCTCTGTCTGTCTGTTCTTTCTCTGTCTCTTCT
CTCTAAACTGCTCTCACTGTCTCTCTCTATGAGCTTGATTCCTATTCCATCTCATGTTTCTCTCTATATATTTCTCTATCTGTATCTTCT
ATATCTGTATTACACACATATGATATATATATATATATCTCAATA
TATATCAATATATATATCTCATACCATAACCATACATACATACGCTATATAGCTCCATAAGATTTACCCAGCCACGAGACAGAAAG
ATGCTGGCCTTCTCCACCTCGTACTCTTCCCTCCCCAGTCTAGAAGGGCAAACTGGGCTCAGAGATGAGCAGCCCCACCCAGGC
CTCACAGAGATGTTGTGTCAGAGTTAAATCCAAGAGCAGATCTCAGAATTCTCAGTGGGACCTTGACTTTGGCAATTCCACATTGCAG
GCCTTAGTTTACCTCTCAGGACCCAGGAGGCCATTAACAGGAGACCTGAGGTGCCCTTCCCTCTTCTACATCTCATGAGTTGGATCC
AGTCCATAACCATAGCATGGGGCCAAATCTCACAAGCTCTGGTCTATGTGAGGTCTGGGCCCCATGAGTCAGAAGTCTAGCGGAC
CAAGAACACTAGTAACGATGGAGAAATATCAGTTAAGTATGAACCTCAGAGTTCATACTGCATTCTTGGGACAACCATTTCTGGG
GCCCTTCCAAAAGCCTGGTGGTGTGCTTTTCCATGAGGGCCAGGCCAAATGTCTTCTTCTTCTGTCCTGTATCTGGAAGAATGTT

ATAATTTGGGAAAGTTGTCCCAGGAGAGCGGGTCTGGAGCCATATGTAAGTGACCATTTATCAGTCATAGACACTTGCTCAGCATTC
TGTATGTACGAACTTTGCAAGATGGCTCCTGTTACTGTCCCAAATTAGACAGGAGGACAGAAAGACCCAGCCTTCTCCATCACATA
CTCTTCCAGTCTAGAAGGGCAAACCTGGGCTCAGAGATGGACAGGAAGGCCCTTTGTCCCAAGAGGGCAAAGCCTGACCCAGAT
CAGGACAGTAGAGGGTTTCCAATCCTCTGTCTAATGGAGCTCAGGAGGGAGGGAGGCTGACATTCCAGAGCCAGCAAGAGGCCTT
ATGGAGTTTAAAGCTTCTGGCTTTAGGTGGTTCCTTTTGGGCTCTGGGACATCAATACACACAGTAAGAAGGTGGATCCATGC
ACCCTACAGAGTCTGTGTTCTTGAGATTCTAAAATCCGTTGGCTTTGAGAAATGATATCGTACAGTTCTGAGTTTCTGTTACTACAGCA
TTTGAAGACTCAAGGGGGTCTCAATATCCATGAGGCTGCCTAATACTACCAAGCATCCAACCTTGGGCCCTCTGGCATCCAAGA
AAGACAGAATCGATAGAACTTGGGTTTTGCATGGTAGCCAGATGGACGTCACCTACCACATCCGCTAGCACCCACATCACCTACCT
GGGCTATCCGGCTACAGGATAGACTAGCCACTTCTCGGAACGAAACCTGTGGGTAGATTATCTGCCCCCTTCTCTCTCTCTTGTG
CCGATGAAGCCCAATGCATCCGGCCGCCATGACGTCAATGGCAGAAAAATCTGGCCAAGTTCAGGTGTGACAACAGGGCCAGAT
GTAGACCCCGATAGGAAAACATATTTCTATGTCCCAGAAAACCTCCATACAGTTCTAAGAAAACAGTCAAAACAGGAACGCCCAA
CAGACAGTGCAGGAAGCTGGCTGGCCAGCCAGCCCTCCAGGTCCTAGTACCACTAGACAGACCATATCCAATTCAGGTCCTCTTT
CTGAGAATGTACTGATGCATCACACAGTCACACCAGTTCACAAGTATTTAAGGAGGAGATTCTTATAAGTTCTGACCAAACATAA
AGAGCACTTCAAAAGTGACCATGGTCCAGCCATATGGGTTAAGCCAATATAGTGGAAAATTCTACTACCAAACCTGATCCGCAATT
GCTTGAGCTACTGTAATGAAGTATCAGAACTGGGGGACTTACATAGCATAGAATTATCATGTTAGCGTTCTGGAGGCTATAAGACCA
AGATGAAGACGTCAGCAGGGTGATTCTCTCTGTAAGTCTGGCCTCCTTCTCATCTCTGATGCTTCTCTTGTCTTCTTCTGGAGG
AGCATCACCTCATGGCTGCCTGCCTGACGTCTTTCAGTCTCATCGCATACGGTTCAGGAAGCCAGTCTCAGCTTCCACAGACCCAGA
CTCTCTTTTCATGCTAATGTTTTAGCCCGTGACACACTAGTCTTAATACCTAGGTTCTCATATAAATCTCTCAACTCTGATAAGCCCCA
GACATGATAGCAAAGAAGATGCAATTGCCTTCCAAAAACCTTCGGTCTCTCAGAAGCTACATGCCCAACACAT
GTAGTATATAGTAGAACGGAGAATGACATATTCACATGCACACACAAACACAGCAGGGAAAAATGTACATATATATACTTCTCTAGAG
AAAAATGAGGCAGTATCAGCCTGAAATGGTGGTTTATAATCCAGTACTCAGAATGCAGAAACAAGGAGTTCAAGGACAGCCTGGG
TATATAAGGAGTTCAGACTACAAGAAACCCTATCTAAAAAGAAAAGGAGGTCCCAGGCCATGAGAAGACTATAGAATTCTGAACC
TGGCTATCTCTTAATTAATAATCAGGTAGAAATCTATAGTCAGTTCAAGATCTGGTTCCTCTCTGACTGGAAGTATAGGATCTGAA
AAACGAAAGCCACACTTTTAAGGGACTGTAAGGTAGTGAGGCTCAGCACAGGGACCTGGGTACCATGTAGAGCTTTGAAGAGGAA
ATCAGAAGACTGCAGTATGGCTAAGGGAAGAAGTGGAAGTTCAGCTTGGCAGAGATTGGAGCTAGTTTGAGGAGCGCCAGGGAC
CCTCAATCAAGCAACCCTATCCCTCTTTTTTCTGGCACCTGCCACGCCAATTTCAAGACAGAAAGCTTAGAGAAGACAGACC
CATGCTGTGGCCCTGAGCTCTGCAGTACTGAATTCAGTCAAGTCTTCCCTGCCTCTACTGCTTACCTTTGCAATTAGCCACATCTGAC
TATCACTGTATACTCTGCTCCTCCATCCTCTACCTCCATCTCCAGTAATGCTCCTGTTGTAGCTGCTTCTGCCAAAAACCTAGACATCA
TCTTGACCTTTCTCTCATCTCTCCATCCAAGCTCCCGGCACTTCTCTGACTCTGCCTTCAGACGAGACTTGAAGACAGTCACT
CTCAGCAGCTCCTCTGCCGTATCCAGGTTGGTAGCAGCAACACCACTCGCCTCACTATTGCAGTACACTTCCCACTAGCACAGTTCC
CTGGAGCCTTCTGCTCACAGCATCCAACCTGAATCTTGTGAGGCTATGCCAAGTCATTGGAATAAAAAGATGAGAAGAGAGTCCAA
GACAAGCCCCAGTAGAATCAGCAAAGACTATGTGCCTGCACAGAGTGCAGGGGGTACTGGAGGGTCCCAAAACCAACTCCCCAT
CACCCACATTCACGACAGAGTGGTATGGTGTATGTAAGCAAGTGAGGTGCTGGACATGTGCATGTGTAGAATATATCCATCAATCTG
TGTCTCTGCTGCAGGGTAGCATATATGTATGTAAGACAGACCAGAGGTGTAGTTATGAGGCTATCTTGACCAACCCTGGAATGCAT
GTGACTCCATTCCACTGTTATCCCTGCAGCTGCTCTGACAAGAACCAATGCCAACCTAGGCCAGCCAAGCCTATGGCTCCTTC
CTTGCCCTTGGCCATCCCCAGGAGTCTTGCCAAGCTGGAAGACTGCACCAAGGGCTCAGAACTTCTAGGGACCAGGGGCTCTGG
GGGACCTTCCAAGGTGGGACCTGCGAAGTGGGGCCACACCTCTTCTTCTTGAACCCCTGCCACCATCCAGCTGCAGGTGAG
GCCCCGGGGCCAGAATGGGGTAAGCAGGGTGGGGTACTTGGGCCTATAGGTGTGACCTTTACTGTGGCATGTGGCGGGGGGGGGG
GGGGGGCTGGGGCACAGGAAGTGGTTTATGGGTCCCAGGCAAGTCTGACTTATGCAGATATTGCAGGGCCAAGAAAATCCCCACTCT
CCAGGCTTCAGAGATTCAAGGCTTTCCCCACCCCTCCCAATCCTCATCCGATAGGAGACCTTATGATTCCATGGACATAGCCATGTA
TCCTCATCCCACTGTGACGAGATGGCTGGGGCCCAAGAAGGTAAACAGTGTGGGGCCAGCTCTACCCCTTGAAACTGTTGGACCTTGA
TACATTCACCTCTCCACGAGCTCAGATTCCACTGATGTGAACTGGATAGTTCCATTGTTGCTACCGTGTGAGACTTTAGTAAAGAGCTA
ATGAATGAGACACAGAACTATTAAGATGAGGCTCATGGCATCTCATGGCATCTCCCTTCTCTCTCCAGTGCCTACAGTGGCCCTAGT
CATGGTGGCACCGTCTGGGGCCGACTAGGTCCCTCACCCACCTACAGGCCCTTCTCCAGGACAGACCACACTTCATGCATCAGGT

ATGGAATCGGAGCAGGCTGGGAGGAGGGAACAAAGAGGACAGCTGTGGAGCAGAGCCCCAAGCCCCGCTGAGCCATGGTCCATGT
GTCCCCAGCTCTCCACTGTGGATGCCCATGCCAGACCCCTGTGCTCCAAGTGCCTCCACTGGACAACCCAGCCATGATCAGCCTCC
CACCACCTTCTGCTGCCACTGGGGTCTTCTCCCTCAAGGCCCGGCTGGCCTGCCACCTGGTAACACCTTCACAGTATCTCCAAGTCT
CTAATCTTTGAGCATGTGCAATGTAACTTTTCTGAATTATAGCCCTATGGAGGTATAGAAGGGTCTTAAGAGTCACGAACTCCAA
CCTCAAAAAAAAAAATATCAGACTTAGAACCTTGAAGACATAGAATGCAAAAAAACACAAATCGCTATTATCAGTCAAAATGC
CATCACTTACCAATGGGCATCTTTAGGCTGTATGTGAGAAGCCCTTGACTGTGGGAACAGCAGAGTACTATGAGACAGAGTCTTCAA
GGCTCAGGAAGGGGAGGGGCTTCTGGAACAAGCTGTAGAGTCTAACCTGCAGCTCCAGAAGTACCCTGTCTCTACCCACAGGGATC
AATGTGGCCAGTCTGGAATGGGTGTCCAGGGAGCCAGCTCTACTCTGCACCTTCCCACGCTCGGGTACACCCAGGAAAGACAGGTGA
GTTGGCAGGGCTGGCAAGAAACGGCCCTGCCACACCTCACCCACCCCTGCACCTATTCTCTGCTGACATCCCATATTCTCCCAT
CCCCAGCAACCTTTTGGCTGCACCCCAAGGATCTACCCACTGCTGGCAAATGGAGTCTGCAAGTGGCCTGGTGTGAGAAGGTCTC
GAGGAGCCAGAAGAGTTTCTCAAGTGAGTAGCCTGACCTACCCACAGAGTTCTGTGTCTAGGCTTACGCTCAACTACCATCTCT
CTCAATGGATGATAATAAGAATCATAAAGATTGAGCTCCATCCCTCCCTGGCTCTGTGATCTTGGGCAAGTTATGGGTCTCTAGGCC
CAGTTTACCTCGCATGTATGAAGAGACATAATAATAAAGGTATGTGCTCATAGTTACCTTCTGTTACACGCAGAAGGATCTAAGGCC
ACAGAGAATTAAGGTCAATCAAGCTCACACAGGACCTAAGTGATGAATCTTGAATATGAACACAGGCAGCCAGGTTCCAGAGCCC
ACACGCCTAACTGCTTTGTCCGCTTCCCTCACACAAAAACATTCTGATCTCCAATTTCTGTTCTCTAGATGACTATAGAGCTC
TTGCCTCTCTGCTCTATCTGCTGTCCCTCCCTTCTGTATCTTGCTAGTACCCCTAACTTTTGGCAATGGTGCCTGTTTGCCTGGCCA
GGCTTTGCATGGGCTGTGCTGACACCTGAAATGCCATACCCCTGCATACCTCCTGTCTAACGTCATCCCAGCATTTTGGCCAGACTC
AAAGGGTAAATAAGCTCAGGCTGGCAGCCAGAGTTGTGAAGCACATGTGTTAAGGCAAGCAAGGGGTGGGGGGGGAGCA
CTGAGCATAGAGAAATCTCCAAAGGGTCTAGGCCGTCCCTAACTGATACACTAAGCCAAGAGGCCTGACCCACCATGGTCAGCTAC
ATGGAATCTTCTCCTTACTCAGGCACTGCCAAGCAGATCATCTCTGGATGAGAAAGGCAAGGCCAGTGCCTCTCCAGAGAGAAG
TGGTGCAGTCTCTGGAGCAGCAGTAATGCCTGCAGGTGTGGCTGCGGGGTGTGGCTGCGGGAAGAAGGATGGGAGGGAGGACC
CTGTGAGGGAAGGCATGGGCAAAAGTGTGCCTGAGAACGACCAGGTGGAAGCCCCACTTTGGTGTACATCCCCACAGCTGGAGCTG
GAAAAGGAGAAGCTGGGAGCTATGCAGGCCACCTGGCTGGGAAGATGGCGCTGGCCAAGGCTCCATCTGTGTGTGAGTACCCCAAG
TCCAGAGGCAGCAGACTTCAACTGCTGAGGGGCAAGACAGGAGCCATAAGGACCAAATGTCTTCTCTCACATGCAAGCCCTGCC
TGTACAGACCATTCCACCTAATTAATATGCCAGATCCAAAGACACGCCTACTCTGCTTACAAACCTTCTGACCTCCAAAACATTATG
ATTCTGCCTTTTCAGGGCACATACAGAAGGCAGTGAACCTCACAGGGCCACTGCAAAAAAGGAAAATGGAGGGCCTTATGTTCAAATT
TCAAGATAAGCTCAGAACATCGAACAGTGTGTGACCACACATTCACATACCCAGTCTCAGGCTGATATGAGTCTTATACTATAACAG
AGGTAGTACCAACCATCATCTAATGCACAAATGAGGACAACCTAGGTGAGGAAGATTTAGTTGATGTCCCAGGTTACAGTTGGT
GCTAGGGGATTCCAATTCTGCCCCTGCTCACCCAGCCCTAGCATCTATGGCTTCATCGCATGCTCATGCCTGTACTCTAAGATGCTGC
TTTACAGAGCTCCACCAGAGCCTGCAATTGACTATAGGGTGGTGCCTTCTCAAAAGCATTGACCTTACTGGACACAGTGGCATGCAC
CTGTAGTCTGGCTACTGGAGAGGCTGAAGGAGGAGCACTTGAACCTCAAGTTCAAAACCAGCCTGGTCAACACAGAGACACCCCT
GACTCTTCTAAAACACAAAGAAACACGGTTGGGGAGAACTTGAGAGGGAAAAGTGATTGCCATACAAGGATAAGGACCTGAGTTT
TGCTGGGTGGTGGTGGCGGCGGCATGCCTTTGATCCCAGCACTTGGGAGGCAGAGGCAGGTGGATCTCTGTGAGTTGGAAGCCAG
CCTGGTCTATAAAGCTAGTTCAGAACAGCCAGAGCTACACGGAGAAACCTGTCTTGAACACCTCTGACAGAAAAAGGACCTGAGT
TTAGATGCCAGCACCCACACCAGATGCAGCACTGTAAATCTGTAATCCAGCATGTGTACACACACCACATACAAATCAGATAGA
AATATGACCAAAATCAGGAAATGCAAAATGTAAAATAAAGTGGGGTGGGGAAGTGGACAGATAGCTCAGGGATTAAGAGAGCTTGC
TGCTCTTTCAGGGGACCAGAGTTTGGTTCACAGCACCCCTCAGAGCCGCTCACAGCTATCTTAACCTCAGTTCCAGTGGATCCAATGC
ACTTTTCTGCCTTCCACAGGTACCAGGCACACATGCGATGCCAGACATGCATGCAAGGCAAACTCCCGTATACCTAAAAATAAATG
CAAGCTGACTTGGCAGTAATCTCAGCCCATCTGTGCTACATAGTACATGTTAGACTAGCCTGTACTACATGCTACATAGTACATGTT
AGACTAGCCTGTACTACATGCTACATAGTACATGTTAGACTAGCCTGTACTACAGAGCAAGAGCCACCTACATAAATATCCAACCA
AGCAAGCAATCATTTTTTAAAGTAAATGGAAGACTCAGTGTGGTGGCGCACGCACGCCTTAAATCCTAGAACTCGGGAGGCAGATG
CAGGCAGATCTCTGTGAGTTCGAAGCCAGTCTGGTCTACAGAGCCTGGTCTATACACTGAGCTCCAGGACAGCCAAGACTACACAGA
GAAACCTGTCTGGAAGAAAAAATATATATATATATATATATATATATACATAAAATAAAAAAGTGAAGCCAGATGTGGTGG
CACACACTTATAATCCTAGCACTCCAGAGGTAGAAGTGGCTAGAAGGTGCAAGGCCAACTAGAGATATATAGTGAAGTGTCTCAG

ACAAAACGAAATGAATAGGCAAACTCAGGAGGCAGAGGAAGTGCATCTCTGAGAGCTGCAGGCCAGTCAGGGCTACATAGTA
AGACCTGTCAATAATAATAATGGCAATAATAATTTAAGACCAAAATAAATAGACATGGATGAAGGGGAAAGGAATGAGAA
GAAGGAAGATAAGCGATGAGGGAGGAGATAGGGTGAAGTGGTCTGTATGTATTACATACATGTACAAAATTGTCTAAAAACAAGT
TTAACTAATAAGAAAATACAACTAATGTTTGAAAGGCTACAATGAAATGACAAGCTTAAGTGTCTCGATTACCACACCCCTCCCAA
CCCCTCAGGCCTCAATGGACAAGAGCTCTTGCTGCATCGTAGCCACCAGTACTCAGGGCAGTGTGCTCCCGGCCTGGTCTGCTCCTCG
GGAGGCTCCAGACGGCGGCTGTTTGAGTGCAGTGGGAGGCACCTCTGGGAAGCCATGGCAATAGTTCCTTCCCAGGTCAGTGGAGTCC
ACCCCCAGTGCCAGGGGTACAAAGGAGCTCCCCACCCCTCACCCCCACTAAGAGCTGGGAGGAACTGCACCTGAGTTTATT
AGGCTTAGAAGCCCTCAACTGTTATAAATGCATAGCCTTGGGCCCCGTGTTTGGGGGATTGGAGCCAGGCCTGACCTATTTGGCATC
TGCTACTTCATTAGTCACCATGAGGGAGGAGCCTGGCCAAGTGAGTCCAAAGAGCCCTCTCTCCGTCCCCACCTCCAGGAAGTCA
GGTGCACTCAACCAAGCTAACCAACCCCTCTCCACCTGTCAGGCCTGGGTTGTGAGTTTACCAGGGACCATAGATATTGGTGTCAAG
CTGGCTATGCCACTTGAGCTGCTTACATGCCTTTGATGTACAAATTACTTGACTCCTTTTAAAGTGAGGAGAGCTATTTGGCAGGAGT
ACTGCAAAGAAGACACAGCTTACGGCGGTAAGTACTAGTAAACAGTACTATGTGTGAGCATAGACTGTCCCTCCCCCTTGGTGTAGT
GGTAGGAATTGAGACCTTGGATTCTGTATGCAGACAAAGGTGGGGTAGGGGTGAGGAGGCCAAAGGCTCTGATCTATGCCAACCTT
CTGCAGAGTTCTCCACAACATGGACTACTTCAAGTACCAACAATATGCGACCCCTTTCACCTATGCCACCCCTATCCGATGGGTAAG
CAGGGCAATAGAGGCCAGCAGCTGGTGGGCGGAGGGGGGAGTTGTGGTGGGGAGTGCTTGCTCTCTACATTGCACCAAGAGCA
GAATTCACCCATTAACAAACCTCAGCTCTGAGGAGCCCCAAGATGTGATCCTTCTTGATAGCTTCACCTCAGATCTAGCCCTCAACCC
AAAACCTACTGCAAGCCAGGTCAGTGCAAAGCAAAGTGAACACTACAACTACCCCTTTCCTTGTCCACCCTATCTCTAACATACCC
TTGACCTCATGCCTCACCTATTCTTCTCCTTCCCCTTGACCCACAATTACAAAGCTATCATAGCTCAGAGGGCCGAGAGTAGGCTGC
TCCCTCAGCCACAACCCTGAGGAACATGCCCCTTATTCCACCTGACTCCAATTCCAGGCCATCCTGGAAGCCCCGGAGAGGCAGAG
GACACTCAATGAAATCTACCATTTGGTTTACTCGCATGTTCGCCTACTTCAGAAACCACCCCGCCACCTGGAAGGTGAGTTCCTCTGTA
CACACTGGCAGCTGGGATGGCTCCAAGGATGGTTAGCCTGGGGTAGACATGTGGGAAGGAGCAGGTCAGTCTCAGACTCAGGAT
GACTGTCAACCCTGTCCCTGACTGGGGTCCCGTCCCCCTTCCACAGAAAGCCATCCGCCACAACCTGAGCCTGCACAAGTGCTTTGT
GCGAGTGGAGAGCGAGAAGGGAGCAGTGTGGACCGTAGATGAATTTGAGTTTCGCAAGAAGAGGAGCCAACGCCCAACAAGTGC
TCCAATCCTGCCCTTGACCTCAAAACCAAGAAAAGTGGGCGGGGAGGGGGCCAAAACCATGAGACTGAGGCTGTGGGGGCAA
GGAGGCAAGTCTACGTGTACCTATGGAACCGGGCGATGATGTGCTGCTATCAGGGCCTCTGCTCCCTATCTAGCTGCCCTCTAG
ATCATATCATCTGCCTTACAGCTGAGAGGGGTGCCAATCCCAGCCTAGCCCCTAGTTCCAACCTAGCCCCAAGATGAACCTTCCAGTC
AAAGAGCCCTCACAACCAGCTATACATATCTGCCTTGGCCACTGCCAAGCAGAAAGATGACAGACACCATCCTAATATTTACTCAAC
CCAAACCCTAAAAATGAAGAGCCTGCCTTGGTACATTCTGAACTTCAAAGTTAGTCATGCAGTCACACATGACTGCAGTCTCTACT
GACTCACACCCCAAGCACTCACCCACAACATCTGGAACCAAGGCACTATCACACATAGGTGTATATACAGACCCTTACACAGCA
ACAGCACTGGAACCTTACAATTACATCCCCCAAAACCACAGGCATAACTGATCATACGCAGCCTCAAGCAATGCCCAAAATAC
AAGTCAGACACAGCTTGTGAGAACGCTCGTGTGACGTACACACATGCAGCCCCCTCACTCTATCTCTGAGTTCATGAATACAC
ACCGACTCTCCAAGATGTACCCACGTCTCACTTGCCACTGACCCAGTTCCCTACCCACAAGCCCAATCCATGCCTAAGCGTGGCC
CACAGAAGAACTTCTCTTTATTTGGGATCCAAGGCCCTGGCCCCAGTGCCCATCCAATAAACTGTGGTCAGCTGGACAATCACCC
TGATCAGATATGGGAACATATAAGCAGACAGCTGGGTTAAGATCCCAGCAGGAGAAAGCGGATACCAATGAAAGAGAGTGCTAG
AACAGGTGCCTCAGCACTGTCTCCAGCACCCCAATCTCTGCCTGTGGTTAGGAGACATCCATCAGGGCTCTAGGCCTCTCGGACCCG
GCCAAGAGGCCAGCATTCTCTGGCGAAGGGCTCGGTAGTCCTCACAGATCTTCTCCAGGTGCTCAAAGTCTTCTTGCCCATCTCTG
TCTCAATCTAAGAAAACAGGATGCACACTTCTTACGCCCCGTCAGGCTGCCCTCTACTGAACTCTCCCTGCTCCTCTATTCCCGTA
ACAGCAGCCTGTTCTTCCATCACTGGGCTTCTGGGTATGTCCTTCCCTCCACTCCACCTAAAGCAGCAACTTCTGCCATGGGCTCTG
GGAGGCATTAGGAGCCGCAAGCTAAAAGCCAGGGCTCAGAGTAGGCTACTGGCTAGCTTCAGGTCCCAGGCACAGTGGGCACGAAG
GCAAAGCCTCTAGCTGTTAGTTGTGTTTCAAAGACTCTCAGCGCAAAACAAGGAAGTATCCCTGGCCTGTCTCCATTCCCTTAC
CAGTCCCAGGTCTACCTGCTCTCAAGATCTCGAACTTCCCTCATGATAGTGCCTGTGCTCAATGGTCTGGATGAGCTGACTGCAA
TTCTGGAGACAGCAAGAATACAAGGCTTGACCTATGCTGGCCCTCTCCAGCCAACCCACCAGGCACATGGCTCCCTCACCTCATG
CAGGGCAGCTAGGTACTGTAGGCTTCCGAACAGCATCATCTTCTTAGCATCCTGATAAGACAAAGGGGATCTCCGAGATATCAGC
AAGCCATCCCCCTTTTCCACTACTCTATGCCCCTATAAGACCACCCCTTACTAGTACTTGCCTTCATCCTCCACAGAGCAAAGCTAG

GGCCCAAGCAACAGTGCACCTAAAGGACTCACAGAGGGGCAGGCAACAACCTCAGTCCCGCCTCCACCCTCCCGGAGGCCAGCCTGC
TCCATACCTTGAACACAAGCTCATCAGTCACTGCAAATGTCCGGTCGAGCTTCCAGAGAGAGAGTTGATTTCCTTCTGCAGTTCCTTT
GTGTCCGACAAGATCTGGTAGAAACCAGGGTAACTATCAGTGCACATCTTGGGCAAGGTAGCTGATCAGTGATAACACTCACGTGCC
TATACTTACATCCAGTCAGGGCCCATGTCGCTGTGTTGGGGTGACTATTATGTGTTGGAGTGTGCCTGAACAGCTCTGCCTAGTAGTGA
GCATAAAGTCCCTGTGTGATCACCCC

Figure S1. Primary sequence of the Foxp3 gene in FASTA format. Mus musculus strain C57BL / 6J chromosome X, GRCm38.p4 C57BL / 6J NCBI Reference Sequence: NC_000086.7. Exons (Red); Introns (black); In yellow, the complementary region of the anti-FoxP3 ASO (Intron 1).