

>pEarleyGate 302 (C-FLAG), predicted sequence, 10375 bp

GCTGGCAGGATATATTGTGGTGTAAACAAATTGACGCTTAGACAACCTTAA
TAACACATTGCGGACGTTTTTAATGTAATTAACGCCGAATTAATTC
GAGCTCGGATCTGATAATTTATTTGAAAATTCATAAGAAAAGCAAACGTT
ACATGAATTGATGAAACAATACAAAGACAGATAAAGCCACGCACATTTAG
GATATTGGCCGAGATTACTGAATATTGAGTAAGATCACGGAATTTCTGAC
AGGAGCATGTCTTCAATTCAGCCCAAATGGCAGTTGAAATACTCAAACCG
CCCCATATGCAGGAGCGGATCATTCAATTGTTTGTGGTTGCCTTTGCCA
ACATGGGAGTCCAAGATTCTGCAGTCAAATCTCGGTGACGGGCAGGACCG
GACGGGGCGGTACCGGCAGGCTGAAGTCCAGCTGCCAGAAACCCACGTCA
TGCCAGTTCCCGTGCTTGAAGCCGGCCCGCCGACGATGCCGCGGGGGGC
ATATCCGAGCGCCTCGTGCATGCGCACGCTCGGGTCGTTGGGCAGCCCGA
TGACAGCGACCACGCTCTTGAAGCCCTGTGCCTCCAGGGACTTCAGCAGG
TGGGTGTAGAGCGTGGAGCCCAGTCCCGTCCGCTGGTGGCGGGGGGAGAC
GTACACGGTCGACTCGGCCGTCCAGTTCGTAGGCGTTGCGTGCCTTCCAGG
GGCCCGGTAGGGCATGCCGGCGACCTCGCCGTCCACCTCGGGCAGCAGC
CAGGGATAGCGCTCCCGCAGACGGACGAGGTCGTCCGTCCACTCCTGCGG
TTCCTGCGGCTCGGTACGGAAGTTGACCGTGCTTGTCTCGATGTAGTGGT
TGACGATGGTGCAGACCGCCGGCATGTCCGCCTCGGTGGCAGGCGGATG
TCGGCCGGGCGTCGTTCTGGGCTCATCGATTCGATTTGGTGTATCGAGAT
TGGTTATGAAATTCAGATGCTAGTGTAAATGTATTGGTAATTTGGGAAGAT
ATAATAGGAAGCAAGGCTATTTATCCATTTCTGAAAAGGCGAAATGGCGT
CACCGCGAGCGTCACGCGCATTCCGTTCTTGCTGTAAAGCGTTGTTTGGT
ACACTTTTGACTAGCGAGGCTTGGCGTGTGAGCGTATCTATTCAAAGTC
GTTAATGGCTGCGGATCAAGAAAAAGTTGGAATAGAAACAGAATACCCGC
GAAATTCAGGCCCGGTTGCCATGTCCTACACGCCGAAATAAACGACCAAA
TTAGTAGAAAAATAAAAAGTACTCGGATACTTACGTCACGTCTTGCGCA
CTGATTTGAAAAATCTCAGAATTGAATTCTGCAGTCGACGGTACCGCGGG
CCCGGGATCATCAACAAGTTTGTACAAAAAAGCTGAACGAGAAACGTAAA
ATGATATAAATATCAATATATTAATTAGATTTTGCATAAAAAACAGACT
ACATAAATACTGTAAAACACAACATATCCAGTCATATTGGCGGCCGCATTA
GGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATAATGTGTGGAT
TTTGAGTTAGGATCCGTCGAGATTTTCAGGAGCTAAGGAAGCTAAAATGG
AGAAAAAATCACTGGATATAACCACGTTGATATATCCCAATGGCATCGT
AAAGAACATTTTGAGGCATTTTCAGTCAGTTGCTCAATGTACCTATAACCA
GACCGTTCAGCTGGATATTACGGCCTTTTTAAAGACCGTAAAGAAAAATA
AGCACAAGTTTTATCCGGCCTTTATTACATTCTTGCCCGCCTGATGAAT
GCTCATCCGGAATTCCGTATGGCAATGAAAGACGGTGAGCTGGTGATATG
GGATAGTGTTCACCCTTGTTACACCGTTTTCCATGAGCAAACCTGAAACGT
TTTCATCGCTCTGGAGTGAATACCACGACGATTTCCGGCAGTTTCTACAC

ATATATTCGCAAGATGTGGCGTGTTACGGTGAAAACCTGGCCTATTTCCC
TAAAGGGTTTATTGAGAATATGTTTTTCGTCTCAGCCAATCCCTGGGTGA
GTTTCACCAGTTTTGATTTAAACGTGGCCAATATGGACAACCTTCTTCGCC
CCCGTTTTACCATGGGCAAATATTATACGCAAGGCGACAAGGTGCTGAT
GCCGCTGGCGATTCAGGTTTCATCATGCCGTTTGTGATGGCTTCCATGTCG
GCAGAATGCTTAATGAATTACAACAGTACTGCGATGAGTGGCAGGGCGGG
GCGTAAACGCGTGGATCCGGCTTACTAAAAGCCAGATAACAGTATGCGTA
TTTGCGCGCTGATTTTTGCGGTATAAGAATATATACTGATATGTATACCC
GAAGTATGTCAAAAAGAGGTATGCTATGAAGCAGCGTATTACAGTGACAG
TTGACAGCGACAGCTATCAGTTGCTCAAGGCATATATGATGTCAATATCT
CCGGTCTGGTAAGCACAACCATGCAGAATGAAGCCCGTCGTCTGCGTGCC
GAACGCTGGAAAGCGGAAAATCAGGAAGGGATGGCTGAGGTCGCCCGGTT
TATTGAAATGAACGGCTCTTTTGCTGACGAGAACAGGGGCTGGTGAAATG
CAGTTTAAGGTTTACACCTATAAAAAGAGAGAGCCGTTATCGTCTGTTTGT
GGATGTACAGAGTGATATTATTGACACGCCCGGGCGACGGATGGTGATCC
CCCTGGCCAGTGCACGTCTGCTGTCAGATAAAGTCTCCCGTGAACTTTAC
CCGGTGGTGCATATCGGGGATGAAAGCTGGCGCATGATGACCACCGATAT
GGCCAGTGTGCCGGTCTCCGTTATCGGGGAAGAAGTGGCTGATCTCAGCC
ACCGCGAAAATGACATCAAAAACGCCATTAACCTGATGTTCTGGGGAATA
TAAATGTCAGGCTCCCTTATACACAGCCAGTCTGCAGGTCGACCATAGTG
ACTGGATATGTTGTGTTTTACAGCATTATGTAGTCTGTTTTTTATGCAA
ATCTAATTTAATATATTGATATTTATATCATTTTACGTTTCTCGTTCAGC
TTTCTTGTACAAAGTGGTGGACTACAAAGACGATGACGACAAATGACTAG
GTGAGTCTAGAGAGTTAATTAAGACCCGGGACTAGTCCCTAGAGTCCCTGC
TTTAATGAGATATGCGAGACGCCTATGATCGCATGATATTTGCTTTCAAT
TCTGTTGTGCACGTTGTAAAAAACCTGAGCATGTGTAGCTCAGATCCTTA
CCGCCGGTTTTCGGTTCAATCTAATGAATATATCACCCGTTACTATCGTAT
TTTTATGAATAATATCTCCGTTCAATTTACTGATTGTACCCTACTACTT
ATATGTACAATATTAATAATGAAAACAATATATTGTGCTGAATAGGTTTAT
AGCGACATCTATGATAGAGCGCCACAATAACAAACAATTGCGTTTTATTA
TTACAAATCCAATTTTAAAAAAGCGGCAGAACCGGTCAAACCTAAAAGA
CTGATTACATAAATCTTATTCAAATTTCAAAGTGCCCCAGGGGCTAGTA
TCTACGACACACCGAGCGGCGAACTAATAACGCTCACTGAAGGGAECTCC
GGTCCCCCGCCGGCGCGCATGGGTGAGATTCCTTGAAGTTGAGTATTGGC
CGTCCGCTCTACCGAAAGTTACGGGCACCATTC AACCCGGTCCAGCACGG
CGGCCGGTAACCGACTTGCTGCCCCGAGAATTATGCAGCATTTTTTTGG
TGTATGTGGGCCCAAATGAAGTGCAGGTCAAACCTTGACAGTGACGACA
AATCGTTGGGCGGGTCCAGGGCGAATTTTGGCACAACATGTCGAGGCTCA
GCAGGACCTGCAGGCATGCAAGCTTGGCACTGGCCGTCGTTTTACAACGT
CGTGA CTGGGAAAACCTGGCGTTACCCA ACTTAATCGCCTTGCAGCACA

TCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCC
CTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGCTAGAGCAGCTTGAGC
TTGGATCAGATTGTCTGTTCCCGCCTTCAGTTTAAACTATCAGTGTTTGA
CAGGATATATTGGCGGGTAAACCTAAGAGAAAAGAGCGTTTATTAGAATA
ACGGATATTTAAAAGGGCGTGAAAAGGTTTATCCGTTTCGTCCATTTGTAT
GTGCATGCCAACACAGGGTTCCTCCTCGGGATCAAAGTACTTTGATCCAA
CCCCTCCGCTGCTATAGTGCAGTCGGCTTCTGACGTTTCAGTGCAGCCGTC
TTCTGAAAACGACATGTGCGACAAGTCCTAAGTTACGCGACAGGCTGCCG
CCCTGCCCTTTTCTGCGGTTTTCTTGTGCGGTGTTTTAGTCGCATAAAG
TAGAATACTTGCGACTAGAACCGGAGACATTACGCCATGAACAAGAGCGC
CGCCGCTGGCCTGCTGGGCTATGCCCGCGTCAGCACCGACGACCAGGACT
TGACCAACCAACGGGCCGAAGTGCACGCGGCCGGCTGCACCAAGCTGTTT
TCCGAGAAGATCACCGGCACCAGGCGCGACCGCCCGGAGCTGGCCAGGAT
GCTTGACCACCTACGCCCTGGCGACGTTGTGACAGTGACCAGGCTAGACC
GCCTGGCCCCGAGCACCCGCGACCTACTGGACATTGCCGAGCGCATCCAG
GAGGCCGCGCGGGCCTGCGTAGCCTGGCAGAGCCGTGGGCCGACACCAC
CACGCCGGCCGGCCGCATGGTGTGACCGTGTTCGCCGGCATTGCCGAGT
TCGAGCGTTCCTAATCATCGACCGCACCCGGAGCGGGCGCGAGGCCGCC
AAGGCCCGAGGCGTGAAGTTTGGCCCCCGCCCTACCCTACCCCGGCACA
GATCGCGCACGCCCGCGAGCTGATCGACCAGGAAGGCCGCACCGTGAAAG
AGGCGGCTGCACTGCTTGGCGTGCATCGCTCGACCCTGTACCGCGCACTT
GAGCGCAGCGAGGAAGTGACGCCACCGAGGCCAGGCGGCGCGGTGCCTT
CCGTGAGGACGCATTGACCGAGGCCGACGCCCTGGCGGCCGCCGAGAATG
AACGCCAAGAGGAACAAGCATGAAACCGCACCCAGGACGGCCAGGACGAAC
CGTTTTTTCATTACCGAAGAGATCGAGGCGGAGATGATCGCGGCCGGGTAC
GTGTTTCGAGCCGCCCGCGCACGTCTCAACCGTGCGGCTGCATGAAATCCT
GGCCGGTTTTGTCTGATGCCAAGCTGGCGGCCTGGCCGGCCAGCTTGGCCG
CTGAAGAAACCGAGCGCCCGCTCTAAAAGGTGATGTGTATTTGAGTAA
AACAGCTTTCGCTCATGCGGTGCTGCGTATATGATGCGATGAGTAAATAA
ACAAATACGCAAGGGGAACGCATGAAGGTTATCGCTGTACTTAACCAGAA
AGGCGGGTTCAGGCAAGACGACCATCGCAACCCATCTAGCCCCGCGCCCTGC
AACTCGCCGGGGCCGATGTTCTGTAGTCGATTCCGATCCCCAGGGCAGT
GCCCCGCGATTGGGCGGCCGTGCGGGAAGATCAACCGCTAACCGTTGTCCG
CATCGACCGCCCCGACGATTGACCGCGACGTGAAGGCCATCGGCCGGCGCG
ACTTCGTAGTGATCGACGGAGCGCCCCAGGCGGCGGACTTGGCTGTGTCC
GCGATCAAGGCAGCCGACTTCGTGCTGATTCCGGTGCAGCCAAGCCCTTA
CGACATATGGGCCACCGCCGACCTGGTGGAGCTGGTTAAGCAGCGCATTG
AGGTCACGGATGGAAGGCTACAAGCGGCCTTTGTCTGTGCGGGGCGATC
AAAGGCACGCGCATCGGCCGTGAGGTTGCCGAGGCGCTGGCCGGGTACGA
GCTGCCCATTTCTGAGTCCCCTATCACGCAGCGCGTGAGCTACCCAGGCA

CTGCCGCCGCCGGCACAACCGTTCTTGAATCAGAACCCGAGGGCGACGCT
GCCC GCGAGGTCCAGGCGCTGGCCGCTGAAATTAATCAAACTCATTTG
AGTTAATGAGGTAAGAGAAAATGAGCAAAAGCACAAACACGCTAAGTGC
CGGCCGTCCGAGCGCACGCAGCAGCAAGGCTGCAACGTTGGCCAGCCTGG
CAGACACGCCAGCCATGAAGCGGGTCAACTTTCAGTTGCCGGCGGAGGAT
CACACCAAGCTGAAGATGTACGCGGTACGCCAAGGCAAGACCATTACCGA
GCTGCTATCTGAATACATCGCGCAGCTACCAGAGTAAATGAGCAAATGAA
TAAATGAGTAGATGAATTTTAGCGGCTAAAGGAGGCGGCATGGAAAATCA
AGAACAACCAGGCACCGACGCCGTGGAATGCCCCATGTGTGGAGGAACGG
GCGGTTGGCCAGGCGTAAGCGGCTGGGTTGTCTGCCGGCCCTGCAATGGC
ACTGGAACCCCCAAGCCCGAGGAATCGGCGTGACGGTCGCAAACCATCCG
GCCC GGTACAAATCGGCGCGGCGCTGGGTGATGACCTGGTGGAGAAGTTG
AAGGCCGCGCAGGCCGCCAGCGGCAACGCATCGAGGCAGAAGCACGCCC
CGGTGAATCGTGGCAAGCGGCCGCTGATCGAATCCGCAAAGAATCCCGGC
AACCGCCGGCAGCCGGTGCGCCGTCGATTAGGAAGCCGCCCAAGGGCGAC
GAGCAACCAGATTTTTTTCGTTCCGATGCTCTATGACGTGGGCACCCGCGA
TAGTCGCAGCATCATGGACGTGGCCGTTTTCCGTCTGTCTGAAGCGTGACC
GACGAGCTGGCGAGGTGATCCGCTACGAGCTTCCAGACGGGCACGTAGAG
GTTTCCGCGAGGGCCGGCCGGCATGGCCAGTGTGTGGGATTACGACCTGGT
ACTGATGGCGGTTTTCCCATCTAACCGAATCCATGAACCGATACCGGGAAG
GGAAGGGAGACAAGCCCGGCCGCGTGTCCGTCCACACGTTGCGGACGTA
CTCAAGTTCTGCCGGCGAGCCGATGGCGGAAAGCAGAAAGACGACCTGGT
AGAAACCTGCATTTCGGTTAAACACCACGCACGTTGCCATGCAGCGTACGA
AGAAGGCCAAGAACGGCCGCTGGTGACGGTATCCGAGGGTGAAGCCTTG
ATTAGCCGCTACAAGATCGTAAAGAGCGAAACCGGGCGGCCGGAGTACAT
CGAGATCGAGCTAGCTGATTGGATGTACCGCGAGATCACAGAAGGCAAGA
ACCCGGACGTGCTGACGGTTCACCCCGATTACTTTTTGATCGATCCCGGC
ATCGGCCGTTTTTCTCTACCGCCTGGCACGCCGCGCCGAGGCAAGGCAGA
AGCCAGATGGTTGTTCAAGACGATCTACGAACGCAGTGGCAGCGCCGGAG
AGTTCAAGAAGTTCTGTTTCACCGTGCGCAAGCTGATCGGGTCAAATGAC
CTGCCGGAGTACGATTTGAAGGAGGAGGCGGGGCAGGCTGGCCCGATCCT
AGTCATGCGCTACCGCAACCTGATCGAGGGCGAAGCATCCGCCGGTTCCT
AATGTACGGAGCAGATGCTAGGGCAAATTGCCCTAGCAGGGGAAAAAGGT
CGAAAAGGTCTCTTTCCTGTGGATAGCACGTACATTGGGAACCCAAAGCC
GTACATTGGGAACCGGAACCCGTACATTGGGAACCCAAAGCCGTACATTG
GGAACCGGTCACACATGTAAGTGA CTGATATAAAAGAGAAAAAAGGCGAT
TTTTCCGCCTAAA ACTCTTTAAA ACTTATTA AAACTCTTAAAACCCGCCT
GGCCTGTGCATAACTGTCTGGCCAGCGCACAGCCGAAGAGCTGCAAAAAG
CGCCTACCCTTCGGTCGCTGCGCTCCCTACGCCCCGCCGCTTCGCGTCGG
CCTATCGCGGCCGCTGGCCGCTCAAAAATGGCTGGCCTACGGCCAGGCAA

TCTACCAGGGCGCGGACAAGCCGCGCCGTGCGCCACTCGACCGCCGGCGCC
CACATCAAGGCACCCTGCCTCGCGCGTTTCGGTGATGACGGTGAAAACCT
CTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGTCTGTAAGCGGATG
CCGGGAGCAGACAAGCCCGTCAGGGCGCGTCAGCGGGTGTGGCGGGTGT
CGGGGCGCAGCCATGACCCAGTCACGTAGCGATAGCGGAGTGTATACTGG
CTTA ACTATGCGGCATCAGAGCAGATTG TACTGAGAGTGCACCATATGCG
GTGTGAAATACCGCACAGATGCGTAAGGAGAAAATACCGCATCAGGCGCT
CTTCCGCTTCCTCGCTCACTGACTCGCTGCGCTCGGTGCTTCGGCTGCGG
CGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAATC
AGGGGATAACGCAGGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCA
GGAACCGTAAAAAGGCCGCGTTGCTGGCGTTTTTCCATAGGCTCCGCCCC
CCTGACGAGCATCACAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCC
GACAGGACTATAAAGATAACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGC
GCTCTCCTGTTCCGACCCTGCCGCTTACCGGATACCTGTCCGCCTTTCTC
CCTTCGGGAAGCGTGGCGCTTTCTCATAGCTCACGCTGTAGGTATCTCAG
TTCGGTGTAGGTCGTTTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCCG
TTCAGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAAC
CCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGAT
TAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTGGC
CTAACTACGGCTACACTAGAAGGACAGTATTTGGTATCTGCGCTCTGCTG
AAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGCTCTTGATCCGGCAAACA
AACCACCGCTGGTAGCGGTGGTTTTTTTTGTTTGCAAGCAGCAGATTACGC
GCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGTCT
GACGCTCAGTGGAACGAAAATCACGTTAAGGGATTTTGGTCATGCATTC
TAGGTACTAAAACAATTCATCCAGTAAAATATAATATTTTATTTTCTCCC
AATCAGGCTTGATCCCAGTAAGTCAAAAATAGCTCGACATACTGTTCT
TCCCCGATATCCTCCCTGATCGACCGGACGCAGAAGGCAATGTCATACCA
CTTGTCGGCCCTGCCGCTTCTCCAAGATCAATAAAGCCACTTACTTTGC
CATCTTTCACAAAGATGTTGCTGTCTCCCAGGTCGCCGTGGGAAAAGACA
AGTTCCTCTTCGGGCTTTTCCGTCTTTAAAAAATCATACAGCTCGCGCGG
ATCTTTAAATGGAGTGTCTTCTTCCCAGTTTTTCGCAATCCACATCGGCCA
GATCGTTATTCAGTAAGTAATCCAATTCGGCTAAGCGGCTGTCTAAGCTA
TTCGTATAGGGACAATCCGATATGTCGATGGAGTGAAAGAGCCTGATGCA
CTCCGCATACAGCTCGATAATCTTTTTCAGGGCTTTGTTTCATCTTCATACT
CTTCCGAGCAAAGGACGCCATCGGCCTCACTCATGAGCAGATTGCTCCAG
CCATCATGCCGTTCAAAGTGCAGGACCTTTGGAACAGGCAGCTTTCCTTC
CAGCCATAGCATCATGTCCTTTTCCCGTTCCACATCATAGGTGGTCCCTT
TATACCGGCTGTCCGTCATTTTTAAATATAGGTTTTTCATTTTCTCCCACC
AGCTTATATACCTTAGCAGGAGACATTCCTTCCGTATCTTTTACGCAGCG
GTATTTTTTCGATCAGTTTTTTCAATTCCGGTGATATTCTCATTTTAGCCA

TTTATTATTTCTTCCTCTTTTCTACAGTATTTAAAGATACCCCAAGAAG
CTAATTATAACAAGACGAACTCCAATTCCTGTTTCTTGCATTCTAAAAC
CTTAAATACCAGAAAACAGCTTTTTCAAAGTTGTTTTCAAAGTTGGCGTA
TAACATAGTATCGACGGAGCCGATTTTGAAACCGCGGTGATCACAGGCAG
CAACGCTCTGTCATCGTTACAATCAACATGCTACCCTCCGCGAGATCATC
CGTGTTTTCAAACCCGGCAGCTTAGTTGCCGTTCTTCCGAATAGCATCGGT
AACATGAGCAAAGTCTGCCGCCTTACAACGGCTCTCCCGCTGACGCCGTC
CCGGACTGATGGGCTGCCTGTATCGAGTGGTGATTTTGTGCCGAGCTGCC
GGTCGGGGAGCTGTTGGCTGGCTGG