

Table S1. Corrected gene models (coding sequences)

>PITG_1056

ATGGGCAAGCCGAGCAAGATGGACGGCCGTGTCAACGGCACGGGCTCCACGTACGAGCGCCGCGCTGGACGCGCAAGGA
AGACGATGCTATCATCCGACTCGTAGAGGAGTACGGCCTAAGCGCTGGTTCGGTATATCGGACCCTTAAATGGGGAGA
ATCACGGTACGGAGCGGACAGGCAAGCAGTGTGCGACGCGATGGCTCAACCACCTGGACCCCACCATTAAAGAAGGACCT
TGGACTGCCGAGGAGGAACAGATCATCGAGGACGACAGACGCGTCTCGGCAACAAGTGGGCGGAGATCTCCAAGCTGCT
GCCTGGCAGGACGGATAATGCCATCAAGAACCCTGGTACTCGTCCATGAGACGGACGATGCGTGCATGGCGAAGCAGC
AGAACAAAACACTGGGCCAAGTGGCACGAAGCGGAGTAGGAAGCAACAAGGCCGCCAAGTTTGGTGTGAATGCGTCGCCC
GGCTCAATGGTGGAGCTGGCGCGAGACCCATGAACGCTGGTTCGTGAGGGTATGTCGTCCACACAGGCCCTTAGTGTATAA
GGACTGCTACAACGCCCTGATCAAAACAGGCAGAAGACGGAAAGGGACGTCAAGGGCAACGAAATGTTAATAAGAACTCA
ACTCGAAGCGGAAACGCAAGATCTGCGCATCTGACGGGCGAGTAAAAACAGCGGCATGTTCTTCCAGATACGCCCTCGA
CGTGTCTACACACGAGCTATTGCTGCAGCTCTTGAACAACGGAGAGGAGGATTTCCGGTACATTCATCACGGTCGCCAG
CACAACCAACAAGAACAAGAAGCGACTGCTCAGGGCAAGAGGAACGGAGTCAATGGAGCTGGCGTCCGGTGGTGGCG
GTGACCATGCATTTACCGAGATGGACGGATCCTTCCACGCCTTCGAGCACCTTGACATTGACTTTAACGAGGTACGCGAGT
CGGTCC

>PITG_06748

ATGAACCGTAAGCTGGAGCTCATGGAGCTGGACAGCGGGCGCCAGCCCTAACAGCAGCAACAGTGGAAAGCCCCAGTCC
GACTCTCGACCTGCTGCATCGTCTGATTTCGAGTAGCAGTAACCAGGGGGTGGAGATGCCTCTTGTGCGGGTTGCCACA
ACCCAGACTGAGTTATTTGAGGGCAACTGCAACACATGGGAGGCAGCAGCACGACCAGCAGCAAGTATGGCAGCCCCGAG
GAGTCATTTGGTGAAGAGGACGAGGACAACAACAAGAAGACGGCGCTCGCAAGACCGACTCCAACAGCAAGCGTCCGTG
GACACGCGAGGAGAAATGACAAGCTCATGCAACTCGTCAAGCAGTACGGCGCCAAGCGTGGTCTCTCATCGCCATGCACC
TGCCAGGCCGTGTCCGTAAGCAATGCCGTGAGAGATGGCACAACCACTTGAATCCGTCGGTCCGCAAGGACGCATGGACG
GCTGAAGAGGACTATGTCATCTTCGAGTGCACACAAGATGTGGGCAACCAATGGGCCGAGATTTCCAAGATGTTGCCTGG
CAGGACGGACAATGCCATCAAAAACCGCTACTACTCGACCATGCGTTCGCATGCAGAGGCAGTCAATCCGCAAAAAGGTC
CCATGCGTGATGGCAAGAGCATCCGCGTGGCGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG
CCCAGCCAGCGATCTTTGACTGGCATGCAACACCAGTTGCCACCAGCAACAACAGCTTCCGCACCAGGGGGTGGTGTTC
ATCCACATATCAACGGCTCTTCTCGGAGGCCCTTGGGGACGCCGACGCGATGGCAACTCGATAGTGGACTTTGAAAGT
CAAACATGATGTCCGATCACTACGACAACCCACGATGGTCTACCCGCTAAACGGAGGTAGCTTTTCAAACGGGATGAAC
CCGGACTATAGTCCGATGTCATGACGTCGTCCTCCGTCGGTGTCCCGCCGATGATCTGAATCATAACAGCCA
GAACGAGACTTTGACTACGTTCCGATGCAATCTTCGATCCAGCGTGTACGGTCACTAGTCCGGTGTGTGATGGGCACTC
CTCCTTCGACGCTCAATAGGCATGATGAACCTTACGGCTCGCTGCAAGTCAATCAACAGCAACAGCTTGGCAAC
TACATGATGGCAGGAAACCCATATTTCTAACAACAACGTCGCTGGGATGTACTTTGGGACGCTTGGGCTTGTCTCAGCAATA
CCGTCTGATGCCCTGTAAACGTCACACAAGCGCTCCTCGACGTCAGGGTTCACAACGTGATATGTGGAAGAATG
ATAGCCCTGTATCGGTAGCAGCACCAGATATTCGCGGTATGCCCGGACGACACATGCAGCAAGGTCAAGTCAGCGAACCG
ATGGCATTGCAGCAGTCCAAGCCAGCTTCCATGCCACTGTATAGGCAAGCGCCGAATATGGGTCACTTCAACAGCATGGA
GCAGGTATGGACGGATGATGCATATCTG

>PITG_00988

ATGCAAAAGCCTGCAGCATCTAAGCAGCTACAACAGCAACAGCGAGTTCGAGCCGCCGCAACTGGACCCTCCGACGCGTAA
AGAGCGCAAGCCTGTGTGCAAGTGGACGGAGAAGGAAGATCTCTTGTATGCTCAAGTCTCGTGCAGAAAGTACGGCACGCGTC
ACTGGACTATCATCCGCACTAAACTGCCTGGCCGTAATGGCAAGCAATGCCCGGAAAGGTGGCACAACACAGCTTGAACCC
GCAATTCGCAAAAGCCTTGGACACCCGAGGAGGAGCGCATCTTAAAGGAATTGCACGACAAGTTCGGCAACAAGTGGGG
GGAGATCGCAAGATGTTGCCGGGACAGGACAGCACCCATCAAGAAACACTGGAATCAAGCAACAGCTCGTCTCAAGC
GCGGCTTCACTCCGACGCTCCACCTCGCAACGCAACCGCGTATAGCTCCGGTCCGGACAGCTTTCAGCAGGGAAAT
TCAGAGATACCGTCCGCTGTGTTAGGTGGAGTCAACGACGCTTATCCACTCAGCACACTGCTCACGGACCAAGTCGACTT
TGCAAGTCTGTACCGAACAATTACCTTCAATCTCCTCTTGGCATTCAAACAGCGCAACTCGGTAGTCCACAGATCTCTC
TGTGTTGGACCCCAACGGACGCGACGTACAACCGACTGAACGCCATGTGGAACATCCCCGCGATGCCAATTTGGGTTTCT
TCTGGCTTCAGCAACCCTCTGAACAAAGCTACGACGATTGAGCCGAGTAGAACTAAACTGGCGTCTGACCGAGCCCCCGC
CATGAACGGCAACAGTATTTTGGACGACACGATTTGATGTTAGCAAGATACAGTCCGCGCTTACGAAAGAAAGTGAAGAAAG
ACGACCCATCCCTGGAGATCCTGGCCAACCGGCACTACTGCAGTTCGATAGGCCACACGGTGTAG

>PITG_08755

ATGCAGCAGCCGAGTGCAGGCCCTCGCCTACCACGACGATATCACTCCTCCCAAGCCTGAAGACGTCAAGCAAAAACAA
TGATGAGAGCGAAGTGCAGCAGCTGAGAGATCGTTTGGCAGCACAGGAGCTGTTGACACAGCAGCTACTAAAGCAGCGAAC
AGGAGCGAGAGACCGAAGCGGAGTTTATGAAGAGGAGCGTGTCTTACAGCAGGACCTTCTTCGTCTCATGAACATC
GTGGACTGCAGATGAGATCCCGTCCATGCACATGCAGATGCAGCTTTCGCTATGGCTACAGGCGTCAAAATGGCGTT
TCGAGGACTCTCGCCGCGATTCCCAGCCAGAGGCTGCATCGGTCCAAGTCCAACGGGACACAGAGTAGCCAAGAAGCGAA
ATGCTGAGAGTGACGAGGCTCAAGCAGTGGCGGCATTTGGTCTCGCTGCACGCGATGCTGCGATGTTGATGGACATGTCA
CCGACAGATAAGCGCGTCAAGACGTCGTCCACGTCCTCAATAACAAGCTGAGTAAACGTCAGTGGAGCCCTGAGGAAGACGA
AGCATTTGGAGCTCGCCATTCATCAACGGGGGCAACGATTTGGTCCGGCTATATCTCGACTGCTGCCTGGGCGTTGTGGGA
AACAATGTCCGGGAGCGATGGGTGAACCACTTGGTCCGGCAGTGAACAAAGAGGCTGGACAGAGGAGGAAAGACGAACTC
ATCTTCAACGACAGCGACCGCATCCGCACTCGCTGGCGGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG
CAAGAACCCTACTACTCCACATGAGACGCCAGGGGCGTCAAGTCCGTTGGCAACAAGAGCAGATCCCCGACTCAATGT
CCGAGACCTCTGTGACCGATGACAAAGCCGGCGTATGTCAGGATCCTTAGTGTCTCGGAGACAAGCGCGGTGAACTG
CCCATGGAAAACATT

>PITG_08807

ATGCAGATCTCGGCCATGCCCATGACCGCTGTAGACTCCATAATTTGTGTCGTCGTCGGACTCGTCAATCGTTAGTATCAC
CAGCAACGACGGTGTGCAAGATAAGCGTCGCCCTGGACACCCGGAAGACGATGCCGTTATCTTACGCTTCGTGCACGAAT
GTGGCTAAGCGCTGGCGAAGATTGCCCTCGTACCCGTCGTACCCCAAGCAGTGCACCGCACACGCTGGCTAAC
TACCTGGACCCCAACATCGACAAGGCCCTTGGCGCGCGGACGAGACGCAGCTCATCTGGCGGCACAAGAGCGAATGGG
CAATCGCTGGGCTGAGATCGCTAAGCTGTACCTGGTCGGACCGACAATGCCATCAAGAATCACTGGTACTCGACGTATC
GCCGTCGCTGTGCGCAAGCGGCAAAGCTACAAGAGAAGGTGAATCAGTATCAAAACCGAATGGAAATGATAACCTCGGAG
CAAATGATCATGGCGACAACAATGGCAATGCCAAGCAACACCAGGGCCAGCTGGCAACAGAGGCAACTTCAATTTGGAA
CGGGGCAATAGCAGCTTCCGCTGCATTAGCTTTGCCGTCGCCGCTGTTAGTAAGCTCGCCACTGGGAGCCGGATGCTTCG
GATCGGGTATTCGACGTTGCTGTACCAATTGCGATTATCACATAAATCCACTTCGTCTGTGGCCGTGTCATGGCAATG
CCCTGGCCGATGCCCATGACACTACCATCGCCAAAGGCTCTTTTTCCACAGAGAATAGCGCTTTGGCCGTCGTTTTTCAC
TCCTCAGTTTACGAGCAGGTCGACTGAACGCAAAATGTGCCGCACAAAACGACCAACGTTACAAAACCAATCGGGCT
GGATGGGTCTCCCGGACTGCAATTAACGGGCAACGAATTTTTATCGTCAGGCAGTAGCTGTGGGAGCATGTGAGTGCA
GTAGATACGATCCCTGCATCGGAGATCGACAAGACGCGGTGGATGAACAAGTCGAGAGTGGAGGTTCTGAAACGACAGGG
CACTCCTGGACGTGAACGACGCAACTCGGCTGATTTATTTCTCGACTGTGTTGAGATGATGAATCCTATAACGGCAACAC
TGAACAAATGCAACTCGCAATGAGTATTGCAACAATGACAGCATGAAGGTAGCACCACAGCTTCCCTGGCCCTCT
CCGATGGACAGCGAAAATCGAAACAATGCAACTTTCTGGCGTCAAAAAGCAGTGGTGGGATCACATCGATATGGGCTT
CGGTGCCAAGAACAACGGGGCTTCTGCCCTAGACAAAACAGTTTCAAACGTGA

>PITG_05990

ATGGTTGCCGAGTCAAGCAGTGAAGCGCGGTCGGGACGCTGTGAATGCCGAGCCACACGCAGAACAAGCGGGCGAGGCCA
GAAGAAGAAGAAGCGGGCGTGTGAGCAAGCGCTGGACGCCGAGCAGGACGAGGCGCTTAAGAAGGCCGTGGCCGAGG
TCGGGCACCGCAACTGGATGGCTGTGGCCGAACGCTGACAGGACGTGACAACGCGCAGTGTTTACAGCGTTGGAACAAG
GTTCTAAAGCCTGGATTAGTCAAAGGTCCTGGTCAGTTGAGGAGGACGCGATGCTCATGGAGATGATGCTTAAGGGCTA
CGACAACCTGGCGCCAGGTGTCAAACAGCATTTCCCGGACGAACGCAAAACAGTCCGCGAGCGTTGGCGAAACCGATTGG
ACCCAAGTATCAACAATCACCATTACCAGGAGAAGACGAAGCCATCCAGCAAGCGTACGAGAAATATGGCAACCGC
TGGACGCAGATAGCAGAGCTTCTACAGGACGTACAGAAGACGCTGTAAAACCTCCGATGGAAGGCGCTGAACCCGAACCA
GAAGACATATACAAGCTTGGCCGTCGCCGCTTTCTAAACTCGGATGACGCGCCGCGAGTGTCCACGTGCGCAGTCAGAC
CCAATGTGCCATATACCGCCCGACACAACCTGTGAAGATGGAATGTGCGATCACCCAGCTCCTGTGAACAACAATGCT
ATCAGCAATACGACTCAAGTAAATCTGGAGCCTATTTTGACGCTCTGGAAGACGAGACGAGCAAAAAATGAGCGCGGA
GGACGTCATGATCCTGAACGAGTTTTGCGTGGCCACTCGAACAATTCGCTCGGGAACGGTAGTTTCAAGAGTTTGTCTAT
CTGCAACCAGTTTTGCTGACTTGGCGGATGATATCGACGCTGCGATTATGCGGATGGAGTCCGAGTCAGGGGCGCACCCG
CTGACGGAGTCTACAGTGAAGACTCGACGGCGTCCAAGCCTTCCACTGGGCGCTCCTCCGCACCGAGTGTCTAATAA
GATGCTGAGTCTTGAGACACAAGAGCGCGAGTTTGGCTCGATTACGGCAGATGTGGAGCCGACGATACGTTGGATCA
ACGGAGGCTTGACGCGACGTCTCAGCAGCTTGTCCGTAACGGAGAAGGTCTTTTCGAGCAGGAACCTGTCCGTTGCCAAC
CAGAAATCGAGCTCTATGGACTTGTTCGAGCAGCAACTGGCGTCACTTCATGATGCAGGCTCCCTGATGAGTCTTCCGTT
GGATTTGGGCGATGAAAGCAAGTCAGATAGCGCAGTGGCGGGCTGCATACGATGCAGTGAATGCTCCTCCTGCCACTT
CACATGGCTCTTTGACGCGCTTGATCTTGGAGGATGAGATCCCACTGCACGGTCTATCGAACCAGACAGCGACGACGGAC
AAGAAGACGATGACAGCACAAGATTTCTACAGTAGCGCCATCCCACAGCAACTGTGACAGCACACCGCTTTGAGAT
CTAG

>PITG_05989

ATGTTGCATTACAGCAAAACGCGAGCGGAGGCAACAGACGATGCGTTGGGTTCCGCTCCATGAAACTCCGAGCGAAGCGCA
AAAGCCCGCGAGGATGAGAAGGGCAAGCGCTGGACCCTGACCAGGACGATGCGTTGCGCAAGGCTGTAGACGAGTTTCG
GCCAGCGCAACTGGAAGGCCATCGCCTCGCGTGTGGATGGACGCAACCACGCGCAATGTTTGCAGCGCTGGAACAAAGTG
CTCAAGCCTGGACTGGTGAAGGGCCACTGGTCTTTTCGAGGAAGACAGCAGTGGAGCAGATGGTGTGCAAGGCTGCCA
CTCATGGGTTGAAGTGGCCGCTATATCCCGGAAGAAGCAGCAGTGTGCGGAGCAGTGGAGAACCACTTGGACC
CGAGCATCAACAATCACCTTTTACACCTGAGGAAGACACAATTTACAGGAAGGGTTGAGAAAATGGGCAACCGATGG
ACACAATTTGCTGAATTTGTTGCCGTCGACGACGGAAGATGCGATCAAGTTGAGATGGAAGCATTGAACCCGAACCAAAA
GGTGAAGCCAAGCTGGTCGACCGAAACTCATGCCAGGAATGACAGTCAACAAGCAACGCTCGATGGCTCCCCCACAC
CTGACGATGTTGCGGCCACTCTGATGAATGGCCAAATACCATGCCAGAGTTGCCCTCTTACGGAAATGGGTACCTTGAC
CCAATGCCCTATCTCGACAATAGTGTACCCATTACACCAATGACAATGCCACCTCAAATGGCAATGCCTCACGAAGAGTC
TCTCCCTACAACACAAGTACCCATGCCAGCCAATACCCAGAACCATATCGTTGAACCTCTGAGTGTAGGTTGAAGGCCG
AAAATGACATAAATGATGCAGCCATTCTCAAGGAATTAACGACGAGTCACTCGAACAGCTTACTGAGCTTTGGTAGTGCA
CGCGGCTTGACCTCATTTACAGACATGTGCCCCGAAGACTTGTTCGCAAGTGGCGAACTGGACGAAATGTTCCGTGCAAC
AGTGTCAATATCCAAGGAAAGAGGCGAGAGGGGCGTCTCTCAAGTAGCAGTATGATGGACAGTTTGACGAGCTCCTTTA
AGAACCAGAGTCTGTCAGAAGGCTGTACAGAACCTGGATCACGAAGACAAGCATCTGTTTCAAGGACTTATTGACAGT
TGGCGGGCTCAAAAATCGACTGGTGATGCAAAATCCACGAGGACCATATTGCCAATTTGCCAGTGGAGACGCAACCGGTA
CTCGCAACATAGTTTCGAAACGAGTAGTGCCACAATTTGACGCAATTCAGTGGATTGTGAGCAGACAGGTCGCTATCTC
GACGAAACTCGAACGGCATCTCGTACGAACTGGCAACATTTGCAATGATATTGACGATCTATTGGACTCGGATCTCATG
CGCCGATTCGTAAGGGCAAGATGTGCTAG

>PITG_00038

ATGGCGACAGTAGAAGACTCGCCTGTAAGCTCTGCCAAGCTGACGGAGCTGGGTAAGGCTCTGGACCAGACGCTCTATATC
CAATGTCAATGGTAAATATATCGCCCGCGCTTCGCACGAGGCGCCAGCAGTGGACATGGACGCCACCGAAATGC
CTAGCACTCTGCAACCAAACTGCCAGCCAAGAGCCCAAGAAGCGCGGCGTACCAGATGTTTAAAGAAGATGCTGCCA
GCACCAGCTTCGCAGCGTCATAAGCAAGTACGAGCTCTCCACAGTCTTCAATGCAAGGAAGCAGCGGCACGGAAGAGGA
ACCGTCAGGCTCGCCGGCCCCGTCGTGACACTCCACCACAGGCACAGTGCAGCAGCGTCCACACTCAGCCAGCGA

AATTGATGGTGAAGATCGGAGAGGCAGCGGCATGGGCGTCCCACGAGCGCATTGATTCTCAACGCAGTGAAGCAGGCG
CCGCCAGCGAAGGAAAAATCGAATCCGAGACGGTGGTGAAGCAGGACGAGTCGCTGAGGTTGGCGGTTCGAGCGGAG
TGGCGAGCGCAACTGGAAAGCCATTGCCGACCAGGTGCCTGGACGGAAATCACACGCAGTGTCTGCAGAGGTGGACGAAA
TGCTCAAGCCAGCTTGATCAAGGGCCACTGGACCCCGGAAGACGGTAAACTGCGGGAACGTGGCGGAAAGGCAAAA
AAGAACTGGGGACAAGTAGCCTCGCTCATTCTCGTGAACATCCAAAGCAATGTCGAGAGCGTTGGTGAATCATCTGGA
CCCCAACATTAACAAGgATCTTACACGGAGGATGAAGACAAGATTATCGTGAATGCAAGCTAAACTAGGCAATCGCT
GGTCCATTATCGCTCAGCAGCTCAAGGGCCGAACCGAAGACGCTGTTAAAATTCGCTGGAAATCATTAATGCGCGGACGA
CGCGTCGATCCAAAGAAGATAAAACACCTGCAGCAGCTGCTGTGAGCACCGCATCATCTTCTCCTGCCGACGTCGAGCG
GCCCAAGCTAAACCTGTAAAGCCAGCCCGTCCAGCAAAAGAAATCGTACCCCGTCACCACAGCAGAGACAGGCCACA
ACCCGACTGTGAAAAATGAGCGGCAAGTCGCAGCAGAAAGCAAACCGGTGGTTCGATGCAGCAGTAGGGAGCATGCCAACT
ACCGTTTTTGTCAAGAATCAATCAATGTGCGACCCAGATATGGCAGCAGCATGGGAGCCCCGTGAATTCGCTACACAA
CGTGAGTGACCTGGTGGCCGCGTCAATTCACAACCTCCAGATGAGTCAGCGCTTCCATCCGAACCTCGGCGGCGCATCCCG
GCAATGCCAGTTACCTGGCAATCCGAATCAATTGGTGACGGGTATTGCACCTGGCAACCAGCAACCGCCTGGTGTGTAT
GGCATGGCTGATGGGGATTTAACGTGAACATCCAGCAACAAATGCTACTACAGCAGCATCCGTCGCAGCATAATTCAGCA
CCAGCAAGTACCACCAGCATACCAGTATCCTCAGGGATACACCATGCAGCAGCAAAAGTATGGGGGTGATGCCAAACTACG
GAGTGCCCAACACTTCTCGCGTCAACCAAAATGCAGATGCAGATGCAGATGCCATGCCCAGTATCCTCAATGTCAGCAG
CAGTCGATATCGATGCCTCCGACACCTACGTACTCGTCTCAGGCAATGGCGATGGCAATGGCGAACGCACAGTATTCAGCA
GCACCAGCAGCATCAGCAGCATCCTCCTCCTGTGCACCAAGGCTTCAGCGGTGCACCGCTTACCCTCGGTGTTGCATCGC
TGGGTACGCTTCCGGGACGTCGCTATGATCCTTCCCACAAGTAGCGGTGCCAGCAACACTTCCAATGGCATTGGATCC
AATGTGGTCTTCTCCGTCGTCAGCTGCAGCAGCCGAGGAGGAAAGCTCTGAACACTCCACGGGAAGAATGGGGTTC
TTCACAGACTCCGCGGTCTCAGATGATTATGACGGAAGGCCACGCATCAGCATAACGAGCTGTTCCATCGCAACGCCCTTC
GACTAATGTTACAGGAGCGCGATAAGCAGGGATGTCATATCATCGCTCCATCTCCGGTCAAGCGCTGCTCAACAAA
GAACTGGAAGCCAACAAGGAGCGACAAGCTCGACAGGCGATCATGCAGAAGGGCTGGAAGAGTGCCTGCGAGTCGATGGT
CTCTTCAACAGTGTGACGATTTATCAACTCTGGACGATCAGCAACGGTTTGTGATGGCCTACTGGAGAAGGTTTCATTGT
CTGCTTGGACCAACAGACGACGAGTTACTGGACCAGACTGTTGACATAATATCAGGA

>PITG_16114

ATGGCGCCGGCAGCCGAATCGACCCCGCCGCCACCGAGGCTGGCGCGTGCACCAAGCTGCAGCGAACTTCCAAGAA
GCGCAAGGCCAGCAGTGACGCGCCCGCTTCCGAGCCTCCGCGCTGCGCGTGATGCCAGCGGAGCCTCAGCACGCT
GTTTCGCTTTGTGGCTTTAGCGCTTCCACACTGGATCACTTGTCTACTCAGTACGCGAGTCACACGGCCGAGACCACAAG
CAAGCGACGCCCCAGATGGCACTTCCGCTCGAAGTGGCGCAGATGGTGGTGCAGCGGGCGTGGATCAGGCGGCGCTGGG
AGGCGCCACCAGCGGTGGCTTGGAGTCATACAGCAGCAATTCAAAGCTGCAGCTGAGATGACGGCTGCACTGGAGCGGA
AAGACCGGCACAGTGTGGCGGTGGCAATCCGCAAGCTGCATGGCTGACGCAGGCGAGGAGATGAGGAGTCAGTGCTAATC
ACATTACAGCAGCTGCGCATATCTTGCTACAATCGCCACCTCAGCTACGGCAGTCTCGGTGGCAGCATCAAGCTGGA
AAATCAAGCCCAACCCAGCACAAAGTACAGATACGCAACGCAACGCTCGAAGCAGAACGGAAGGATTCTAGTATTCACG
AGGCGGAGGCGGCACAGGCGCTAACGGGACTGCGAGCCACAGCTTCGAGTGGCGAGGAGACGACGACAACCTGCGCCGTC
ATCTCAACGTCGCTCCTCGCTCCACCGCTGTACCGAAGGCGTCTCCTGCGGCCCTCAAGCCTCGTTCCTTCTTTGT
GCTGGGATCACCTCTGACCATCACAGCGCCGAGCCTCAAATAGTAGTTTACATTTCCACCCACCAGAGCTGTTACGC
CCGGTTCGGTGGCGTCCGCGACCACTCCGTCCTACTACCAAGTCTCTTTGGCGCAGGCTGTTGGCCCCGCTGGCGTCT
CCATCCAGTGAACAGTGGAGACCGTTCGCGCAGAGTGTGGCTGGGATGGGATACCAAAATCCATTATCTGTCAGGGA
CCAACGCAACCCGTTGGGCTTACTTATTCGCGCGGATGTTCCCAAGCATCTCTCACTCCTGTGTTTATTCGTTTTC
CGACTGTGTCAGCAGCAATAATGTCGTTAATACTGGCGTGTCTCTACGAACCGACCGACTTCCGCGTCCCTGTCAAG
CGAAAAGTATCACATCCAAACAGTAAAGTGAAGATGCGATGCCGAAGTTGCTGCGGCTCGTGTGCTGCATCAACGGC
AACGGCAGAGGCGAGTGCAGACAGCTCCGTCGTTGGCGTGGGTCTATCTCCGTCGCTGGCACACCTAGCACACCTG
CGACTCGAAAGCTACTCCTCGTGGTGGACCAAGGAAGAAGTACGCTCTGCGCGTGCAGTAGAGAACCACCGCGAA
AAAACTGGAAGGCTATTGCTCCGCTCAAGTGCCTGGACGGAACACCGCAGTGTCTGCGAGTGGACCAAGTTCAGTCA
CCCAGGTCTCGTGAAGGGTCACTGTCTCCTCGCACGAAGATGACCTACTGCGACGCTTGTGGCGACAGAGCAGAAGAACT
GGGGCAGCTGGCTCCAAGATCCCAGGCGCACGTCAAAACAGTGCAGCGAGCGGTGGCACAAATCATTTGGATCCGCG
ATCGTTGCGGTTGCTACACCCCTGAGGAGGACCGCTGATCTTGGAGGCACAAGCAGACTGGGCAACCGCTGGTCCGGT
CATTCGCGCGATGCTGCTGCTGCGACCGAAGACGAGTCAAGATCCGCTGGAAGTGCAGCTGCCGTGTGTGGCGAGCGC
GCAAGTACCTGCGTAAGAACCCCAACAGTGTGAGGACATGCTGAGCGAGCCTGCACAGACGCTCGGACCCCGTTGGTG
CCTCCTACTGGCGACTTTAAGTGGCGGTTGCCGCTTCCAATGGTCTGCGAGACGAACAAGAATCAAGCAAAACGTTGTC
TGAGGCGACGGCGCAGGCTGTGGCGGAGAGTAA

>PITG_08697

ATGCGACAGAGACTTACGGTAAATTTTCTAGACCATCCCAAAGAGGAGCTTGTCTGCGCAGGCTTTCGAGATCTGGA
AGAGCTGCTTACATAATTCAGATACTACGCGCGCTCCTCCGAACCGTAAACGCCACCACAGCTTAAACAGCGACAACAAT
TCGCTGCGGCTAATTTGGGACGCCATACCTCCGTCCTCGTACAGATTATCCACCACCTCCTGCGTCTTACCTGGCGCA
TTGCTGCTGCTGCTTTCACCTATGGCGAGATACGCGCTTCCAAGTGGTTTCATCGGCATCCTCGTCTTTCGAGTC
CAGATACACGCAGTCTTCCCCAACAGGCGCAATCCATTGATCGTCAGCATTCAGATGGCCAGGACAACGATTATCAGG
ATGACCACGAGTTCGATAATGACTTCAGTCCAGTCCGGTGACGATCACAGATATAAAAGCAGTGGCCACTTCTCCAG
TCAACCTTGACATCGCAGGATGCTTTCGAGCACAGACTGAAACTAGACCATGATGCGCTCACTGGAAAGCGTCTTGATCA
CAGTATTTTCTCCCCAGTCTCATCGACGTCGGGTAGTGTGCTCTCCACGCGAAGAGTTTCTCGTCCAGGCGTTTG
GCCCGGTGGGTTCAAGTGCATGGTACTTCTGTGTCAAGTAAAGATGATTTGGATGACAGTCTTAGTGACGACGACGAGC
AATAACAGGGAACCTTGTGCGAGGACTGCCACTGCAATTAACAGACCGGATACAGAGCTCAAGATGTCTAACAAGCA
GCTTGAAGCGGATATTCGCGGTGCGATGCATCAGAACTCCTACCATCAGCAACATTCGCCCAGACTGCCAGAGCTTACAG
GGTTATCCCATCAGCCATTCAGCCACCTTCGATGGCTCGTTCGGACTCAATCGCACTGCCATTTTCCCCGGAGTAA

CAGGAAGTACACCAGTCTCAATGTTGGGACTCGCAAGATATTCGGCCTCATCTCATTCAAACCCACAAAGAACCAGG
GTTTTTTTCCCAGAGCAACAGCATCAGAGTCCCTTACGTGTGTCTGGCTAAGACGCCACAAAGTAAAGGAAC TAGCG
GGGTTCAAACGCCACCAAATGGCTTCGCGATGAAGACGACGCTCTTCGTGTAGCTGTGGCTCGATTTGGTGGCAAGAAT
TGGAAAATGATCGCCGAGACGCTGGTAATGGGCGCACCAGTGTCCAGTGTCTTCATCGCTGGAAACAAGGTGCTAAAAC
TGGTTTGATCAAGGACCTTGGACACTGAAGAAGATCGTATCCTTGACCAGCCTATTACACGCTATGGAGTCGGTAAGA
TTCGCTGGTGTGACCTCGCACTGCATTTACCAGGACGGATTGGCAAAACAATGTGCGGAACGTTGGTGCAATCATCTCGAC
TCGCGGATTCGAAAAGGTGAGTGGACTCCTGAGGAAAGATGATATGGTCTTTTCGATGGCAACAGAAGTTAGGAAATAAATG
GAGTAAAATCGCCAAGCTGCTCCCTGGACGCACTGAAAATGCCGTCAAGAATCGTTTCAATTCAGCCGCACGGCGCAAGT
GGCTTATGAATCAAGCAACAAGTCAGCGGCCACCACAGCAGCGCAGTCAACACCTCCAGCTCCGAAACCCCATTCAGGTG
TCTTCGATGACAGCTTCAACAGCAACAGACGTTGTTGACGTCCTCTTCAGCTACCAAGAGGGCAATGTCTACAACGT
CAGTACGATACCATACGGGAAAGTATCGCCGCTACCCTCGACAGACGCACTGATGGAACATCACCCGCACAATATGATCC
CACCCTTGGACGGCAAACTTTCATGCCGCACTACACACCTCCAACCTACCAGCTATTATCCAGTGGTCTGTTTTTTCGT
CCTGTGTGGCAATGGGGAGTGAAGAGTTTTCAACCGCAAGAACAGCAGTATCCACGGAAGTTGGTAAGGGCGACTC
GATGCCGTTGGCGCCACCACCGACGTTTCGTGCCTCCCCCTTGAACCTCGCTCTTCCACCTCCTCCAGTCAATATTTTCT
CAGCTTCTAGCCGCAATTTGCAACATTTAACCAGTCTGTAGTGGTGGGGCCTCCCTCACCCCTGTCTTCCCTTTCCCG
TCTCAACTGGCGACTCCAACCTCCTCACCGCACCTGGGGTTATTCTTCTGCAAAGTCCGACGACAAGATGTCGACTC
CTCAATTTCTCAAAAAGGAAGAAAACTCGAACGAGATGATTTAGTCTTCAAGCCGCGTGGCGTCAAGTTCTGCTCCTG
ATTCCAGTGTTCCTATGGACGACGAAAATATGAACAGCTTCTTGACAGCGTCCCTCGAACTCGACGACATCATGGAA
TAA

>PITG_13133

ATGAGTATCAGCGTCAGTCGAGAGTCTATCTCCAAGCTCATGGGCGAGCTCGTGGACGGTTTCCCATAGAGGGCGATGG
CCGCTCGTCTATCTCAGACTTCGGCAAGCTGCTCTTACCGAGGGCCAGGCCAACGGCAGCAGCAACCGCGCCAAGTCCG
GCCAGACAGGGCCGAGTGCAGGCAACAGCAAGCCAACTGCGGCCACCACGAGTCGTGGCACTACTTCTTCGTCAAACGGC
TTGACGACTCAGACTCAGACTGGAAGCAAGCGTGTGTTACAGAAATTAAGGGCATAACCCGCCAGAAGCAGCATGATAT
TATGAAAACCAAGGACAAGGCCGTGCTAAGCGCTGGACGCCAGAGGAAGACGACAAGCTCCGTGAGGCTGTGGCCGCC
ATGGCGAGCGCAACTGGAAGTGCATCGCCGAGGAAGTACCTGGCCGCAACCATACACAGTGTCTACAACGGTGGACAAAG
GTGCTGGCCCCGGCTCGTGAAGGGCCACTGGCCGCGGAAGAAGACGACTTACTAAAAGAGCTTGTGGCCGAGGGCCG
CAAGAACTGGGGCCAAAGTGGCCACTCGTATCCCTGGGCGTACGTCCAAACAGTGTGCGGAACGCTGGTACAACCCACTCG
ATCCGAGTATCATCTCGTGGCAATACTCGCCGGAAGAGGACCGCATGATCCTGGACGCACAGGCCAGACTGGGCAACCGC
TGGTCCGCCATCGCCGCCATGCTGCCTGGCCGTACAGAAGACGCTGTGAAGATCCGATGGAAATCGCTCTGCCGAGTGGC
CAAAGGACAAGGCCGTCGTGGTCAACCCGACAAGGGTAAGATGACTCCCAAGGGCGTTATGATGCCTGGCCAGATGATGC
AACAGGTCCAGGCTTTGACGGTGGAAATGGTGAAGAGTGAAGGAGTGCCTGCGTTCTCCATGCACCCACAGCAGCAAGGC
ACGCAAAATGGTGCCTTTCGGAATGGCCAAATGATGGGAGGTAATAATATTAGAGTGGAGGGCAACACCCTCGATGAT
GGGAGTATGGGCGGAACGGGATGATGTACCATAGCGACATGAGTGGCGGTGGGTACGACCCCTACCATGGCCCACTACC
GGAAGCTCCGATGCAGCAACACATTTGTGAACAATGTATACGAGCATCCTTTGCCGCTGCAGGACCAATGGCCGGCAAT
AATCGCAGGACTATCCCGTTGACCGTTCGCTCGAACATGGCCAAATGTCCACTGGGATGTGAGCATTTCACAACATTC
CCAAGCACAGGACGGATACAGACAAGAGTACCAAGGCCGCTTTCGGGATATCCCTCCAATATGAACAGCGGTATGTA
CAGCGGGGCGTCCACGCCTAGCGGAGGGATGAACAACGGCAAAATGTATGGCGGCAGCTCGCAGATCAACAATACC
GCTGGAGGAGCCATGTACAGCGACTCACAGGTATCTTCGATCATTCGACAGCAATGGCCCATTCGCCACACCCTCAGAT
GGTGTGCTACGACTACGGCATGCCCTCCATCGACTAAAAACATGAATGGAGGAGCGTCATCAAGCCACCCGCTGCATCCAG
GCAATAATTCCATGCGAAACCCGCTTCGGCCTTTGCGCATCGACAGCAGCACTCGCATCAATACGTGGATCGCCCTGTC
CACCTCCACACCAGTGGCTCACCATGAACAGCAGCACCCGACCATGCAACGCGTATTTCATGCACACGAGCAGACCA
ACCACACCCAGAGGAGGAACCGCCAGTACATCACCACATCATTTGAAGCCGAGATCAAGTGACATCCAGCCTAAAGAGG
AGCCGCGGCCCGGCAATGGCGCAGCCAATGTCCAACCCGGCTGCAATGTTCCGCCGATAGCCAGGCGGCAAGGCTTCA
CCTTCGGCGGCCAACAGTAATCCAGTTCGCGGCCCTTCATGCACATGCAACATCATCAGAAGCGTAAAGAACAGCCGAGCGC
GTCTAGCAAGATGGCCAAAGCTGGCCACCGAAACCTTTCAACCCGGCCGCGGCTTCGCCAGCGGTTCCAAGCTGGCC
AGAGACCACCAATGCCAGTAGCAACTCAGGCTTACCCGATCTAACGATGATACGGCCGACGAGGATGACGACGGAGAG
AACGCGCGGACTACTGAACCTTCTCTCAAGAAGGTCAAGCCGAGACTTAGCATCGATGCGCGCGGGCGTGGCCGACG
GAGAAATGCGCAGCTCCGGTAGCGGCGACAATCTGGCCGGCCGTTGGAAGTCTGGATGTGTTTTTGAACGAGATCGGCGACG
TTGGCCGGTTGTGGACCTCAAGATGGACGGCTTCCAGACGCTAGAAGAGCTGTGGCGAGTCTCAGGCGACATGGATCGA
CTATCGTTA