>codB

catgctcagatgcctgatgcgacgctgacgcgtcttatcaggcctacccactgtttttacaccgataatttttcccccacctttttgcactcattcatataaaaaatatatttcccca***cgaaaacgattgcttt***ttatcttcagatgaatagaatgcggcggattttttgggtttcaaacagcaaaaagggggaatttcg

>purE

tggtactgggtgcctggcatacggaaggttcaatggtgaaagtcacggcggatgacgttgagctgattcattttccgttttaaaaaacccgcaactttgctgatttcacagcca***cgcaaccgttttcctt***gctctctttccgtgctattctctgtgccctctaaagccgagagttgtgcaccacaggagttttaagacgc

>pyrC

gcgaagatggcagccagggcgaagcaatggcgaaaaaactggcgaaaggcattgaagtgaagccaggcgaaattgtcattccatttactgattaatcacgagggcgcattcgcgccctttatttttcgtgca***aaggaaaacgtttccg***cttatcctttgtgtccggcaaaaacatcccttcagccggagcatagagatta

>purR

ttaccacttccccttttcgtcaagatcggccaaaattccacgcttacactatttgcgtactggccattgaccccttcctgacgctccgtgtcgtttttccggcgtaccgcaacacttttgttgtgcgtaaggtgtgta***aaggcaaacgtttacc***ttgcgattttgcaggagctgaagttagggtctggagtgaaatggaa

>cvpA

cgtaggtcggataaggcgtttacgccgcatccgacacgcattgcccgatgccgcaaaggcataaaaagtcgatggcgttgaatattttttcagcgccatttttattgatgcgcgggaaggaaatcccta***cgcaaacgttttcttt***ttctgttagaatgcgccccgaacaggatgacagggcgtaaaatcgtgggacacat

>purM

atattcagatggttatgaaagaagattattccatccgaaaactaacctttaccctggcacaagtcttctttcgccgcgcgcctggggaaaagacgtgcaaaaaggttgtgtaaagcagtct***cgcaaacgtttgcttt***ccctgttagaattgcgccgaattttatttttctaccgcaagtaacgcgtggggacccaagcag

>guaB

actaacggtaaaaattgcaggggattgagaaggtaacatgtgagcgagatcaaattctaaatcagcaggttattcagtcgatagtaacccgcccttcggggatagcaagcattttttgcaaaaaggggta***gatgcaatcggttacg***ctctgtataatgccgcggcaatatttattaaccactctggtcgagatattgccc

>glnB

aactcaactatttgcgtaagctgctgcaaatcaccaaaggcaacgtcacccacgcggcgagaatggcggggcgcaaccggacagaattttataaactgctttcccgacacgagctg***gatgcaaacgatttca***aggaatgaattggcgttatgtgttacgtttagcagatcaaaagacaggcgaccttttcaaggaatagc

>purL

aggtttactcataaatgagcggcattttgcgtaaacctgcgccagatggcaacttattacagccattggcggcacgcgttgctaattcacgatggtgattttatttc***cacgcaaacggtttcg***tcagcgcatcagattctttataatgacgcccgtttcccccccttgggtacaccgaaagcttagaagacgagagactt

>purA

accaatttgcccgataatattttacgtcgttttggcggtggacttgtggttgcgggcgttgtggtctactacatgttga***ggaaaacgattggctg***aacaaaaaacagactgatcgaggtcatttttgagtgcaaaaagtgctgtaactctgaaaaagcgatggtagaatccatttttaagcaaacggtgattttgaaaaa