CGGTCGACTCTAGAGGATCCATACTACGGCGAGCGTACAACTTGCGTTACAACATCTTCCAGGTGATACGCGAGCTACTTTATATGTTTAGTAACCAAACAAAGCGTAAACGAAATAGAAACATAAGCAAAATATATTTTATATATTTTTAATAAAACGAAAAATGATACGCGAATAAAGAGAAGTCCATGTTACTGCCTTTAACTTTAATGCATAGTATTGTCCATTGAATGAACACATGTTGTGTTTGGGCAGATATTTGGATCACGGATTCGGCGCCCGCTTTCGTGTTTTACTATTATTCGATAATTACCAGCTTTGTGGCGAGATAATGCCTAATGTTAGCAGAGAGAGAGTTCGCGAGAAATTCACTGCTTTCTATTATTGGGAGATGCCCAGGCGAGTAATTAACTCCGTTGAAACAAAGCTAAACTGACCTTCTAAATCGCCCGAACGACTTTAGTGGTTAAGGTACAAAGAACAGCTGGAGTTCGTGTCTATCGGATGTTACCTTTTCTAATTACCCTAACGAATCATGTTCATAACGTGCCCATTATCTCAATAGCATTTTGGAAAAAGCAAGAAGCTTAGATTTGTACTTGCTTACAAACATACCCATTTTGCTAAGCACAACAACTTAACGAGTCCAGGTCAAAATGACCGCAAATATCTCGTTGGCTTAGTTAGAAGGTCAATTGCAGTTAGCGGGCAAGCACCTCACGAAAATCGTTATTTTCTTTGACACACTTCGTTTGAAATACGACGCGGGGGGAAAATAAATAACCGCAAGAAAGCTGTTATTCTTGTTCAGCTGTTGGGTGTGACGCAATACATAATCATCGCCTTTATTGCACAATAAAAGTTGTAAACAAGACAGATTGTGATGAAAAGTTCCCGCGTTCACTATGCGTCATAAGGTGTACACACGTGGGCGTTGTTTCATCGAAAATATCTTCAAAATTATTTGCATTTTATCCATATTTTGTATAAATGGCTGTAGCGTATAATGCTCGTGGGTTGGCCACGTTAGAAAAGGCAGTAATTAATGAATGAATTTAAATGGATAAATGTAACTTTTATCTTAATATGACGCGGGGTAACAACAGTCGTTATAAAATAATACAGGTGTTCTGTTTCATACACCTTGTGCCCGCTTCCACTTTGAGTATCAACACATATGCAACTTTGTGGGTGATCGTTTCTTGGAAAAATAATTTTTCGATTAACTTGTATGCATGGTTATTTACCAACACGGACCACATACATACTTAAAAATTCTGGTGAAAATAAATAAAATTTTACCAAAAACGGTTTATCTAAATTTGGCGAAGATTAAGCACTTTTTAGGTTAAATTGTATTTCAGTGAAACCGCCTAAAAAGTTGTACATGCGACATGAACGGTAGCCAAATTGTATGTGTTCCGGGACGAAAGGGGCCGTGACTGGAAAAAAAGATTCACACTTACCAGGTTTCTAAAGTCAAGTAATTGTAGTACGCCCCGAGGAAACGAAGTGAGAATAAGAAGAAAATGCATGGCTTTCTAAATCTATGAATTTGAAATCTTACCAAGAAAAAGGAGAAAGCTTTTTTAAACAGATCTTTGTCACAATGTTACCATCACTTCTCAACGAGTTAGCATGGGAAAGAGTTTCATAGAAGCGCTTATAGCAATGTAAATTGCAGCTCCGACCCGCCGATATTGTATAAGTTGGTCGGAGTAAAGATATGTTAGTATTTTGTTAAGAGGTTTCGTGTAATACGTATAGAGGGTGTTAATAATCACTAACGATATTTTTGCGGGTGTGTCGGTCATCGGAAAGACATTTTATTCAGATCAAGTTTCCGGTTAAAGCTTTGATTGTAAGAACCGGTTTTAAATGCTTGCTATCGATTCACCCACATCGAATTCGTTGCAGTCACGGGCATTTAGGGCGTTCGTACCAACCAGTGTGAGACGATCGCACCGCACGCCCTGGCCCCAAGCGATACGACTTATCTCACCTTCGTTTCTTTTCGTAGATTCAGCCAGTTGATAGATAAGTTAGCGAGCTGGTAGCATACAAAAAAATGGATCCCCTTGCGGCCCGAGACCTATGGTGAGCAAGGGCGAGGAGGATAACATGGCCATCATCAAGGAGTTCATGCGCTTCAAGGTGCACATGGAGGGCTCCGTGAACGGCCACGAGTTCGAGATCGAGGGCGAGGGCGAGGGCCGCCCCTACGAGGGCACCCAGACCGCCAAGCTGAAGGTGACCAAGGGTGGCCCCCTGCCCTTCGCCTGGGACATCCTGTCCCCTCAGTTCATGTACGGCTCCAAGGCCTACGTGAAGCACCCCGCCGACATCCCCGACTACTTGAAGCTGTCCTTCCCCGAGGGCTTCAAGTGGGAGCGCGTGATGAACTTCGAGGACGGCGGCGTGGTGACCGTGACCCAGGACTCCTCCCTGCAGGACGGCGAGTTCATCTACAAGGTGAAGCTGCGCGGCACCAACTTCCCCTCCGACGGCCCCGTAATGCAGAAGAAGACCATGGGCTGGGAGGCCTCCTCCGAGCGGATGTACCCCGAGGACGGCGCCCTGAAGGGCGAGATCAAGCAGAGGCTGAAGCTGAAGGACGGCGGCCACTACGACGCTGAGGTCAAGACCACCTACAAGGCCAAGAAGCCCGTGCAGCTGCCCGGCGCCTACAACGTCAACATCAAGTTGGACATCACCTCCCACAACGAGGACTACACCATCGTGGAACAGTACGAACGCGCCGAGGGCCGCCACTCCACCGGCGGCATGGACGAGCTGTACAAGGAATTCAAGATGAGCAAGGACGGCAgagctccaccgcggtggcggccgcGGTCGACTCTAGAGGATCCTTGCTTTACCATCGCGTGACGGGAAAACGATAGTCGTTATAACACGAGTATTCGTACACCTCGTGCGAGCTAACGAGCTACCATATATGTTGTGGGCGAATAAAGGTTTTATAAATATAACATTGGTTTTATAAATAAAACAACGCCATTTTAAAGTCGGTTACATAATTCTGTAACTAGTTCAAATTGAACGGTAAACGTAAATAAAAACCTTGACCGTCTTACCCAATTATATAAAAACACTTTGAACGCTTTTTAAGATGGAAGGGTATGGCCATGCCTAGATAATTCTGTGGACCATCTCACCCCAACCTATTACAGAACGGTCGTAATAATGAAAATGGGTACCATTTTTAGGCATATAGACTGATTCCTCCTTTCTAGAAACGTAAGCAGTATACACAGAAAAAATGAAGTGTGATTCTGTGCAATTAAACCGTTCTAAATTCATAGCCGACTGAATTTCTAATTAAGTGAATGTCTGACCTAGATTTATTGTTAAGTTTAGCACCAAATCTGAGCCAGCGATAAGCAGTCTAATTAAATTGGCTGCTGGCGATAAAATAGGTCATCCTGAAAAATCGTTTGCGCCTTTATTTAAAATATAGTAGAGTGGGGAAAGACGGGACATCTTATCGTTCTATTTTCTCGTCCCATTTCGTAGTAAACAAAGAACATTCAAAAAATATAAAACCATAACTTCAAAACTTCAATAGACCGTTGTCAACTGTTTAAAACACAATAAGAGAATTTGGATATTATGTGCTAAAGGTGTCCCATCTCCCCCCACCCTACTATATCTGTTTATAGTTCTGTGGGGTAAGATGAGATACCGTTAACACCTAAACATTTTTACTTTAAACAATCAACCACGTTTTTTATAGTCGTAATGGACATGTGGTTACATAATTCTGAAAATATTTTTTGCCCCCGACCAAAAGACGCGAAGAGTAAAAACATGTCTCAGCTTATATTCCCCACATAAATATATTTTTGTACTGTTTGGTGAATTTATAAACTTATATTACCATGCATATACGTTATGTTACTGGTATTTTCTCAGTAGGCAAATTCATTTGTCCACGTTTTATAGGTTTTCAATATTTATGATTTTTAAAATGCTAAAAATGTGGGAGGGGGGTTGAAAGTACAATACAAACACACAAAACAACTCAAACTAAAGATTTATAGTTATGCTAATTCACCTACACAATATAACAAGATGTGTAATGCAACCATGTGTTTATGATGAGCGCTAACATATTTTGTAACCACTCAAATTCCCCGCCACACGAGGATAATGAATAGGTGACTCTGTAGTCTGTACATCTTAGACTGAAATAAAGATTATAAATCTACGAAATAAAATAATTTCTGCTCACTGATTATACTTCTGTTTTATAGATTAGAAACCGTTTCTAATAAATGACCTAATTCGCTATACACACACGCTGTGCGCGAGATAATCATTCTCGCACCCCGTTTATTGTGTTAAAATTGCCGCCTAGATTCACAAAGCGTGACGGCTAGAGCCAGCAACGTGTCGCCTTCAATTACGCAACATCCGGGTTGCGCAATTCTGGATATAAAAGAACTAACAAAGATGACGTAGCTACCTTTTTCAGTTCAGACTTACGAAAGACTCACGTGTCGGCGGTCTACTTGTCCTTTTCGAGCTGTGGCAATTTGGTGAGTGGTTCTATCTTATATCTGAGTACATCTCTAAGGAATTATAGTTTGATTAGTTAAGTTTTTATTGTTAGGAAAGATGAAATCATTAGGTTTTACTTAGTTTAAGTATGTTAGTACTGGTTAGGCGTTTGAATTATTGAAAAACTCAGTTCGTTAACTGTAGTAGTTCTGGTAGCTTAGCAAGTATACCCTGTATACGCCTTTTGGCTTTTTAACAATAACTTAAACTTATTTTACAGCAAATTTCTGTGCATTCGGTTAACCCCAACCTTCCAAAGGATCCCCTTGCggccgc**AATGGACTATAAGGACCACGACGGAGACTACAAGGATCATGATATTGATTACAAAGACGATGACGATAAGATGGCCCCAAAGAAGAAGCGGAAGGTCGGTATCCACGGAGTCCCAGCAGCCGTAGATTTGAGAACTTTGGGATATTCACAGCAGCAGCAGGAAAAGATCAAGCCCAAAGTGAGGTCGACAGTCGCGCAGCATCACGAAGCGCTGGTGGGTCATGGGTTTACACATGCCCACATCGTAGCCTTGTCGCAGCACCCTGCAGCCCTTGGCACGGTCGCCGTCAAGTACCAGGACATGATTGCGGCGTTGCCGGAAGCCACACATGAGGCGATCGTCGGTGTGGGGAAACAGTGGAGCGGAGCCCGAGCGCTTGAGGCCCTGTTGACGGTCGCGGGAGAGCTGAGAGGGCCTCCCCTTCAGCTGGACACGGGCCAGTTGCTGAAGATCGCGAAGCGGGGAGGAGTCACGGCGGTCGAGGCGGTGCACGCGTGGCGCAATGCGCTCACGGGAGCACCCCTCAACCTGACCCCAGACCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGACCACGGCCTGACCCCGGAACAGGTGGTTGCAATCGCGTCACACGATGGGGGAAAGCAGGCCCTAGAAACCGTTCAGCGACTCCTGCCCGTCCTGTGCCAGGCCCACGGCCTGACCCCAGACCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGCCCACGGCCTGACCCCGGCCCAGGTGGTTGCAATCGCGTCACACGATGGGGGAAAGCAGGCCCTAGAAACCGTTCAGCGACTCCTGCCCGTCCTGTGCCAGGACCACGGCCTGACCCCAGACCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGACCACGGCCTGACCCCGGAACAGGTGGTTGCAATCGCGTCACACGATGGGGGAAAGCAGGCCCTAGAAACCGTTCAGCGACTCCTGCCCGTCCTGTGCCAGGCCCACGGCCTGACCCCGGACCAGGTGGTTGCAATCGCGTCACACGATGGGGGAAAGCAGGCCCTAGAAACCGTTCAGCGACTCCTGCCCGTCCTGTGCCAGGCCCACGGCCTGACCCCAGCCCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGACCACGGCCTGACCCCAGACCAAGTTGTCGCGATTGCAAGCAACAACGGAGGCAAACAAGCCTTAGAAACAGTCCAGAGATTGTTGCCGGTGCTGTGCCAAGACCACGGCCTGACCCCAGAACAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGCCCACGGCCTGACCCCGGACCAGGTGGTTGCAATCGCGTCACACGATGGGGGAAAGCAGGCCCTAGAAACCGTTCAGCGACTCCTGCCCGTCCTGTGCCAGGCCCACGGCCTGACCCCAGCCCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGACCACGGCCTGACCCCCGACCAGGTTGTCGCTATTGCTAGTAACGGCGGAGGCAAACAGGCGCTGGAAACAGTTCAGCGCCTCTTGCCGGTCTTGTGTCAGGACCACGGCCTGACCCCAGAACAAGTTGTCGCGATTGCAAGCAACAACGGAGGCAAACAAGCCTTAGAAACAGTCCAGAGATTGTTGCCGGTGCTGTGCCAAGCCCACGGCCTGACCCCAGACCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGCCCACGGCCTGACCCCAGCCCAAGTTGTCGCGATTGCAAGCAACAACGGAGGCAAACAAGCCTTAGAAACAGTCCAGAGATTGTTGCCGGTGCTGTGCCAAGACCACGGCctgacCcctgagcaggtagtggctattgcatccaacGGAGGGGGCAGACCCGCACTGGAGTCAATCGTGGCCCAGCTTTCGAGGCCGGACCCCGCGCTGGCCGCACTCACTAATGATCATCTTGTAGCGCTGGCCTGCCTCGGCGGACGACCCGCCTTGGATGCGGTGAAGAAGGGGCTCCCGCACGCGCCTGCATTGATTAAGCGGACCAACAGAAGGATCCCCGAGAGGACATCACATCGAGTGGCAGGTTCCCAACTCGTGAAGAGTGAACTTGAGGAGAAAAAGTCGGAGCTGCGGCACAAATTGAAATACGTACCGCATGAATACATCGAACTTATCGAAATTGCTAGGAACTCGACTCAAGACAGAATCCTTGAGATGAAGGTAATGGAGTTCTTTATGAAGGTTTATGGATACCGAGGGAAGCATCTCGGTGGATCACGAAAACCCGACGGAGCAATCTATACGGTGGGGAGCCCGATTGATTACGGAGTGATCGTCGACACGAAAGCCTACAGCGGTGGGTACAATCTTCCCATCGGGCAGGCAGATGAGATGCAACGTTATGTCGAAGAAAATCAGACCAGGAACAAACACATCAATCCAAATGAGTGGTGGAAAGTGTATCCTTCATCAGTGACCGAGTTTAAGTTTTTGTTTGTCTCTGGGCATTTCAAAGGCAACTATAAGGCCCAGCTCACACGGTTGAATCACATTACGAACTGCAATGGTGCGGTTTTGTCCGTAGAGGAACTGCTCATTGGTGGAGAAATGATCAAAGCGGGAACTCTGACACTGGAAGAAGTCAGACGCAAGTTTAACAATGGCGAGATCAATTTCCGCTCATAAgaattc**CAGCTGAGCGCCGGTCGCTACCATTACCAGTTGGTCTGGTGTCAAAAATAATAATAACCGGGCAGGCCATGTCTGCCCGTATTTCGCGTAAGGAAATCCATTATGTACTATTTAAAAAACACAAACTTTTGGATGTTCGGTTTATTCTTTTTCTTTTACTTTTTTATCATGGGAGCCTACTTCCCGTTTTTCCCGATTTGGCTACATGACATCAACCATATCAGCAAAAGTGATACGGGTATTATTTTTGCCGCTATTTCTCTGTTCTCGCTATTATTCCAACCGCTGTTTGGTCTGCTTTCTGACAAACTCGGAACTTGTTTATTGCAGCTTATAATGGTTACAAATAAAGCAATAGCATCACAAATTTCACAAATAAAGCATTTTTTTCACTGCATTCTAGTTGTGGTTTGTCCAAACTCATCAATGTATCTTATCATGTCTGGATCGACAAAGTCAAAGCGGCCATCAGATCccccgggctgcaggaattcgatatcaagcttatcgataccgtcgacctcgagggggggcccggtacccaattcgccctatagtgagtcgtattacgcgcgctcactggccgtcgttttacaacgtcgtgactgggaaaaccctggcgttacccaacttaatcgccttgcagcacatccccctttcgccagctggcgtaatagcgaagaggcccgcaccgatcgcccttcccaacagttgcgcagcctgaatggcgaatgggacgcgccctgtagcggcgcattaagcgcggcgggtgtggtggttacgcgcagcgtgaccgctacacttgccagcgccctagcgcccgctcctttcgctttcttcccttcctttctcgccacgttcgccggctttccccgtcaagctctaaatcgggggctccctttagggttccgatttagtgctttacggcacctcgaccccaaaaaacttgattagggtgatggttcacgtagtgggccatcgccctgatagacggtttttcgccctttgacgttggagtccacgttctttaatagtggactcttgttccaaactggaacaacactcaaccctatctcggtctattcttttgatttataagggattttgccgatttcggcctattggttaaaaaatgagctgatttaacaaaaatttaacgcgaattttaacaaaatattaacgcttacaatttaggtggcacttttcggggaaatgtgcgcggaacccctatttgtttatttttctaaatacattcaaatatgtatccgctcatgagacaataaccctgataaatgcttcaataatattgaaaaaggaagagtatgagtattcaacatttccgtgtcgcccttattcccttttttgcggcattttgccttcctgtttttgctcacccagaaacgctggtgaaagtaaaagatgctgaagatcagttgggtgcacgagtgggttacatcgaactggatctcaacagcggtaagatccttgagagttttcgccccgaagaacgttttccaatgatgagcacttttaaagttctgctatgtggcgcggtattatcccgtattgacgccgggcaagagcaactcggtcgccgcatacactattctcagaatgacttggttgagtactcaccagtcacagaaaagcatcttacggatggcatgacagtaagagaattatgcagtgctgccataaccatgagtgataacactgcggccaacttacttctgacaacgatcggaggaccgaaggagctaaccgcttttttgcacaacatgggggatcatgtaactcgccttgatcgttgggaaccggagctgaatgaagccataccaaacgacgagcgtgacaccacgatgcctgtagcaatggcaacaacgttgcgcaaactattaactggcgaactacttactctagcttcccggcaacaattaatagactggatggaggcggataaagttgcaggaccacttctgcgctcggcccttccggctggctggtttattgctgataaatctggagccggtgagcgtgggtctcgcggtatcattgcagcactggggccagatggtaagccctcccgtatcgtagttatctacacgacggggagtcaggcaactatggatgaacgaaatagacagatcgctgagataggtgcctcactgattaagcattggtaactgtcagaccaagtttactcatatatactttagattgatttaaaacttcatttttaatttaaaaggatctaggtgaagatcctttttgataatctcatgaccaaaatcccttaacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgagatcctttttttctgcgcgtaatctgctgcttgcaaacaaaaaaaccaccgctaccagcggtggtttgtttgccggatcaagagctaccaactctttttccgaaggtaactggcttcagcagagcgcagataccaaatactgtccttctagtgtagccgtagttaggccaccacttcaagaactctgtagcaccgcctacatacctcgctctgctaatcctgttaccagtggctgctgccagtggcgataagtcgtgtcttaccgggttggactcaagacgatagttaccggataaggcgcagcggtcgggctgaacggggggttcgtgcacacagcccagcttggagcgaacgacctacaccgaactgagatacctacagcgtgagctatgagaaagcgccacgcttcccgaagggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagagcgcacgagggagcttccagggggaaacgcctggtatctttatagtcctgtcgggtttcgccacctctgacttgagcgtcgatttttgtgatgctcgtcaggggggcggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgctcacatgttctttcctgcgttatcccctgattctgtggataaccgtattaccgcctttgagtgagctgataccgctcgccgcagccgaacgaccgagcgcagcgagtcagtgagcgaggaagcggaagagcgcccaatacgcaaaccgcctctccccgcgcgttggccgattcattaatgcagctggcacgacaggtttcccgactggaaagcgggcagtgagcgcaacgcaattaatgtgagttagctcactcattaggcaccccaggctttacactttatgcttccggctcgtatgttgtgtggaattgtgagcggataacaatttcacacaggaaacagctatgaccatgattacgccaagcgcgcaattaaccctcactaaagggaacaaaagctggagct

Yellow: promoter