**DNA Sequences for Restriction Enzyme and Gel Electrophoresis Activity**

**Sequence 1 (12,29,47,112bp)**

gctcgcctggtgaattcgcagcttctcatttcctgctgctgaattcttgcctgccatagcacggagtcttctcctgacttcacccgcgaattcgttccct

CGAGCGGACCActtaagCGTCGAAGAGAAAAGGACGACGActtaagAACGGACGGTATCGTGCCTCAGAAGAGGACTGAAGTGGGCGCTTAAGCAAGGGA

ctccattctggctgtctgcaggtgaggcacagacccgaggtgaccctgtgtgacaggtcttgtagcttcaatgagcatggctaccacctcttccaggcta

GAGGTAAGACCGACAGACGTCCACTCCGTGTCTGGGCTCCACTGGGACACACTGTCCAGAACATCGAAGTTACTCGTACCGATGGTGGAGAAGGTCCGAT

**Sequence 2 (29,144,27bp)**

cttggggttgaggagataaacaactccaGAATTCtgctgcccaacatcaccctggggtaccagctgtatgatgtgtgttctgactctgccaatgtgtatg

GAACCCCAACTCCTCTATTTGTTGAGGTCTTAAGACGACGGGTTGTAGTGGGACCCCATGGTCGACATACTACACACAAGACTGAGACGGTTACACATAC

ctgccagggcaacaccacatagagctccaaggagaccttctccactattcccctacggtgctggcagtgattGAATTCgacagcaccaaccgtgctgcca

GACGGTCCCGTTGTGGTGTATCTCGAGGTTCCTCTGGAAGAGGTGATAAGGGGATGCCACGACCGTCACTAACTTAAGCTGTCGTGGTTGGCACGACGGT

**Sequence 3 (10,63,33,94bp)**

actacaacgGAATTCaatgtgtcaccttcagcctgctcttcaacttcgtgtcctggatcgccttcttcaccaGAATTCgcgtctacgacggcaagtacct

tgatgttgcCTTAAGttacacagtggaagtcggacgagaagttgaagcacaggacctagcggaagaagtggtCTTAAGcgcagatgctgccgttcatgga

gcctgGAATTCacatgatggctgggctgagcagcctgagcagcggcttcggtgggtattttctgcctaagtgctacgtgatcctctgccgcccagacctc

cggacCTTAAGtgtactaccgacccgactcgtcggactcgtcgccgaagccacccataaaagacgcattcacgatgcactaggagacggcgggtctggag

**Sequence 4 (79,121bp)**

gcgctgcggctccacctgaccagtgggtcagcaggcacggctggcagccttctctgccctgagggtcgaaggtcgagcGAATTCggggtgtccgggaggt

cgcgacgccgaggtggactggtcacccagtcgtccgtgccgaccgtcggaagagacgggactcccagcttccagctcgCTTAAGccccacaggccctcca

ctttgggcatcgcggtctggggttgggacgtgtaagcgcctgggagagcctagaccaggctccgggctgccaataaagaagtgaaatgcgtaaaaaaaaa

gaaacccgtagcgccagaccccaaccctgcacattcgcggaccctctcggatctggtccgaggcccgacggttatttcttcactttacgcattttttttt