GAS binding site

CACAATCTCAGCTCACTGCACCCTCTGCCTCCCGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGTTGGGATTACAGGCATGCACCACCACGCCCAGCTAATTTTTGTATTTTTAGTAGAGACAAGGTTTCACCGTGATGGCCAGGCTGGTCTTGAACTCCAGGACTCAAGTGATGCTCCTGCCTAGGCCTCTCAAAGTGTTGGGATTACAGGCGTGAGCCACTGCACCCGGCCTGCACGCGTTCTTTGAAAGCAGTCGAGGGGGCGCTAGGTGTGGGCAGGGACGAGCTGGCGCGGCGTCGCTGGGTGCACCGCGACCACGGGCAGAGCCACGCGGCGGGAGGACTACAACTCCCGGCACACCCCGCGCCGCCCCGCCTCTACTCCCAGAAGGCCGCGGGGGGTGGACCGCCTAAGAGGGCGT

GAS mutation

CACAATCTCAGCTCACTGCACCCTCTGCCTCCCGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGTTGGGATTACAGGCATGCACCACCACGCCCAGCTAATTTTTGTATTTTTAGTAGAGACAAGGTTTCACCGTGATGGCCAGGCTGGTCTTGAACTCCAGGACTCAAGTGATGCTCCTGCCTAGGCCTCTCAAAGTGTTGGGATTACAGGCGTGAGCCACTGCACCCGGCCTGCACGCGAAGAAACTTAGCAGTCGAGGGGGCGCTAGGTGTGGGCAGGGACGAGCTGGCGCGGCGTCGCTGGGTGCACCGCGACCACGGGCAGAGCCACGCGGCGGGAGGACTACAACTCCCGGCACACCCCGCGCCGCCCCGCCTCTACTCCCAGAAGGCCGCGGGGGGTGGACCGCCTAAGAGGGCGT