

Normal

GGCACCATTAAGAAAATATCATCTTTGG
TGTTTCCTATGATGAATATAGATACAGAA
GCGTCATCAAAGCATGCCAACTAGAAGAG
GACATCTCCAAGTTTGCAGAGAAAGACAA
TATAGTTCTTGGAGAAGGTGGAATCACAC
TGAGTGGAGGTCAACGAGCAAGAATTTCT
TTAGCAAGAGCAGTATACAAAGATGCTGA
TTTGTATTTATTAGACTCTCCTTTTGGAT
ACCTAGATGTTTTAACAGAAAAAGAAATA
TTTGAAAGCTGTGTCTGTAAACTGATGGC
TAACAAAAC TAGGATTTTGGTCACTTCTA
AAATGGAACATTTAAAGAAAGCTGACAAA
ATATTAATTTTGCATGAAGGTAGCAGCTA
TTTTTATGGGACATTTTCAGAACTCCAAA
ATCTACAGCCAGACTTTAGCTCAAAACTC
ATGGGATGTGATTCTTTTCGACCAATTTAG
TGCAGAAAGAAGAAATTCAATCCTAACTG
AGACCTTACACCGTTTCTCATTAGAAGGA
GATGCTCCTGTCTCCTGGACAGAAACAAA
AAAACAATCTTTTAAACAGACTGGAGAGT
TTGGGGAAAAAAGGAAGAAT

Mutation (G551D)

GGCACCATTAAGAAAATATCATCTTTGG
TGTTTCCTATGATGAATATAGATACAGAA
GCGTCATCAAAGCATGCCAACTAGAAGAG
GACATCTCCAAGTTTGCAGAGAAAGACAA
TATAGTTCTTGGAGAAGGTGGAATCACAC
TGAGTGGAGATCAACGAGCAAGAATTTCT
TTAGCAAGAGCAGTATACAAAGATGCTGA
TTTGTATTTATTAGACTCTCCTTTTGGAT
ACCTAGATGTTTTAACAGAAAAAGAAATA
TTTGAAAGCTGTGTCTGTAAACTGATGGC
TAACAAAACCTAGGATTTTGGTCACTTCTA
AAATGGAACATTTAAAGAAAGCTGACAAA
ATATTAATTTTGCATGAAGGTAGCAGCTA
TTTTTATGGGACATTTTCAGAACTCCAAA
ATCTACAGCCAGACTTTAGCTCAAAACTC
ATGGGATGTGATTCTTTTCGACCAATTTAG
TGCAGAAAGAAGAAATTCAATCCTAACTG
AGACCTTACACCGTTTCTCATTAGAAGGA
GATGCTCCTGTCTCCTGGACAGAAACAAA
AAAACAATCTTTTAAACAGACTGGAGAGT
TTGGGGAAAAAAGGAAGAAT