

Reference sequence

**G A A G C C C T C A T G T C T G G A A C T C A A A G T C C T G A G T T A C C T T G G T A A T**

Mutated sequence

**G A G G C C C T C A T G T C T G G A A C T C G A A G T C C T G A G T T A C C T T G G T A A T**

Fragments

**G A G G C C C T C A T G**

**G A G G C C C T C A T G**

**A G T C C T G A G T T A**

**A G T C C T G A G T T A**

**C T C A T G T C T G G A**

**C T C A T G T C T G G A**

**T G G A A C T C G A A G**

**T G G A A C T C G A A G**

**G T T A C C T T G G T A**

**G T T A C C T T G G T A**

**G A A G T C C T G A G T**

**G A A G T C C T G A G T**

**A T G T C T G G A A C T**

**A T G T C T G G A A C T**

**T G A G T T A C C T T G**

**T G A G T T A C C T T G**

**T A C C T T G G T A A T**

**T A C C T T G G T A A T**