

Table S1. Primers used in the construction of the minigene and the site directed mutagenesis

Primer (5'-3')		
<i>PCR amplification</i>		<i>Size</i>
C16 E2 F	<u>TTATCTCGAGT</u> GCTATCAAAC	270 pb
C16 E2 R	TATTTCTAGATTCTGTCCCTTT	
C16 E3 F	<u>TTATGGATCC</u> TTACCGGAGG	389 pb
C16 E3 R	TATTTCTAGATGAGCAGCTTC	
C16 E4 F	<u>TTATCTCGAGT</u> TGCCCATGAA	388 pb
C16 E4 R	TATTTCTAGACGATAGTGGAG	
<i>Site Directed Mutagenesis</i>		
p.(R114Q) F	GAGCACAAAATGCCAAGGCCT	
p.(R114Q) R	CCCACCAGAGGCCTTGGCATT	
p.(A139V) F	GTACGATTCCATACTTGTGGAGCATCCCTGTACGT	
p.(A139V) R	ACGTACAGGGATGCTCCACAAGTATGGAATCGTAC	
p.(H141D) F	TTCCATACTTGC GGAGGATCCCTGTACGTATGC	
p.(H141D) R	GCATACGTACAGGGATCCTCCGCAAGTATGGAA	
p.(L145P) F	GTCTTCCAGTGAAGCCGGTGGTAACTCGAGC	
p.(L145P) R	GCTCGAGTTACCACCGCTTCACTGGAAGAC	
p.(R149Q) F	GAAGCTGGTGGTAACTCAAGCGTTGATGATTACTG	
p.(R149Q) R	CAGTAATCATCAACGCTTGAGTTACCACCAGCTTC	
p.(R149L) F	GAAGCTGGTGGTAACTCTAGCGTTGATGATTACTG	
p.(R149L) R	CAGTAATCATCAACGCTAGAGTTACCACCAGCTTC	
p.(L151W) F	GGTGGTAACTCGAGCGTGGATGATTACTGCAGATA	
p.(L151W) R	TATCTGCAGTAATCATCCACGCTCGAGTTACCACC	
p.(L151F) F	CTGGTGGTAACTCGAGCGTTTATGATTACTGCAGATATTC	
p.(L151F) R	GAATATCTGCAGTAATCATAAACGCTCGAGTTACCACCAG	
p.(G198D) F	ATCCTCCCTTTCTTTTCAGATACCCCAGGAATCATTG	
p.(G198D) R	CAATGATTCCTGGGGTATCTGAAAGAAAGGGAGGAT	
p.(G198A) F	TCCTCCCTTTCTTTTCAGCTACCCCAGGAATCATT	
p.(G198A) R	AATGATTCCTGGGGTAGCTGAAAGAAAGGGAGGA	