

Supplementary Table S1. Oligonucleotide sequence employed in this study. 1245+5G>A -Forward and Reverse primers have been used to amplify the *SPAST* genomic region relative to the c. 1245+5G>A variant. Similarly, the 1493+2_1493+5del -Forward and Reverse oligos have been used to amplify the genomic region relative to the c. 1493+2_1493+5del variant. Both couple of primers bear recognition sites for *Eco*RI and *Bam*HI. SD6 and SA2 primers have been used to sequence the cDNA resulting from the minigene assay.

Oligo Name	Oligo sequence 5'-3'
SD6	tctgagtcacctggacaacc
SA2	atctcagtgggtatttgtgagc
1245+5G>A -F	gaattcggcctcatagcttacat
1245+5G>A -R	ggatcccatggccccagtaaactaat
1493+2_1493+5del -F	gaattcgatatttttaattgtggcagc
1493+2_1493+5del -R	ggatccaaccgtaactaaacctttac