

**Table S1.** List of oligonucleotides used to introduce the different cysteine residues on the NLSPE5 gene.

<b>Substituted residue</b>	<b>Name</b>	<b>Sequence</b>
Pro19	P19C_1	GGACTCTGGTAACTCCTGTTTCGAGCTCTTCTAC
	P19C_2	GTAGAAGAGCTCGAACAGGAGTTACCAGAGTCC
Pro101	P101C_1	GTGCTTACAGAACTTCTTGTAAGAAAGACACATTATTG
	P101C_2	CAATAATGTGTCTTTCTTTACAAGAAGTTCTGTAAGCAC
Asn76	N76C_1	GGTAATTGTTACAAATCTTGTTCTAGCATGCATATTAC
	N76C_2	GTAATATGCATGCTAGAACAAAGATTTGTAACAATTACC
Thr128	T128C_1	GCGTTGAAGATTCTTGTTAAGTCGAGCAGATCCG
	T128C_2	CGGATCTGCTCGACTTAACAAGAATCTTCAACGC
Ile107	I107C_1	CCTAAAGAAAGACACATTTGTGTTGCTTGTGAAGGTTT
	I107C_2	GAACCTTCACAAGCAACACAAATGTGTCTTTCTTTAGG
Asp121	D121C_1	GTTCTGTTCATTTTTGTGCTAGCGTTGAAGATTC
	D121C_2	GAATCTTCAACGCTAGCACAAAATGAACAGGAAC
Arg104	R104C_1	GAACTTCTCCTAAAGAATGCCACATTATTGTTGCTTG
	R104C_2	CAAGCAACAATAATGTGGCATTCTTTAGGAGAAGTTC
Asp126	D126C_1	GCTAGCGTTGAATGTTCTACTTAAGTCGAGCAG
	D126C_2	CTGCTCGACTTAAGTAGAACATTCAACGCTAGC