

S2 Table. Primers for Sanger sequencing.

Primer ID	Location	Forward primer/ Reverse primer	Annealing Temperature
<i>POLβ</i>	42,220,710	GCCATTCTGAGTGTGTGACTTC/ AAGAGCTGGGACTACACCACCA	62°C
	42,221,461	TGTGATAGAACACTCAGGGGA/ GAATCTTAATTCTAGGCTGGGCA	58°C
	42,203,655	TTGGATTAGTGATACTCAAC/ ACCTGGACTACTCAAAAGG	54°C
<i>UNG</i>	109,535,809 109,535,857	GCGCCTCTGACTCGGTAAAC/ CGTGGTCTTTTCGCGGCA	58.5°C
	109,537,423 109,537,562	TCCCGCGGTGTCAGATGTT/ ACCAGGTTTCATTGGTCTTGAAGTC	58.5°C
	109,545,951	GGCACAAAATGGAAAGTAAATGGC/ TCCCAGCCAAGAGACCCTG	58.5°C
	109,546,114	GTACAACTGGTCCCTGGCTTA/ CCACCTCCTAGGCTCAAGTTAC	58.5°C
	109,546,886	CTCTTGGTCCCATGCAGTT/ TGCAAAGAGCACCACCCTC	58.5°C
<i>NEIL1</i>	75,643,714	ATGGCAAACCCACATATGGTC/ GGCAACAAGGAAGACCCCAT	62°C
	75,645,383	GCACTTGTCCCTCTCTGGA/ CTCATGGGCAGCTTGGAGGA	62°C
	75,645,565	ACAGTGTTTCCTCCAAGCTG/ TCCTGGAGTGGGATTAAGAA	58.5°C
	75,645,965	CCTGGACTAGCCTCAAAGTCTG/ CAGAGGGCAGGCTCAGGTT	62°C
<i>APOE</i>	45,410,002	ACAGGCAGGAAGATGAAGT/ CCAGAGAGCGTCAAATCGCT	58.5°C