**Supplementary Table 2**. List of variants and their primer and probe (UEP) sequence.

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| --- | --- | --- | --- | --- |
| Variant | Gene | First Primer Sequence | Second Primer Sequence | UEP Sequence |
| rs10069690 | ***TERT*** | ACGTTGGATGCTGTTTGAAACGGGTTCCTG | ACGTTGGATGTCATCTGAGGAGAGTGTGGG | gtttCACACGGGATCCTCATGCCA |
| rs10228682 | ***POT1*** | ACGTTGGATGATCAAGTAGAACAAAGTGCC | ACGTTGGATGACCGCACAGACATTCTAGAC | cttcGAACAAAGTGCCTGATGG |
| rs251796 | ***TERF2*** | ACGTTGGATGACTTGCCTTTGGGTACTCTG | ACGTTGGATGAGTGAGCCAAGACCAGAATC | TGGGACAATCCAGGG |
| rs2975843 | ***TERF2*** | ACGTTGGATGGTGCCTTAGTTACTCAACAC | ACGTTGGATGCATCCAGCATCATCAAAGCC | CATTTTCACACACTTCTTGTTAT |