**Table S6. Primer sequences.**

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| Target gene | Sequence (5′–3′) | Amplicon (bp) |
| *RsBRCA1* | Forward: GGATAGCTGGTTTTGCTGAAGAG | 130 |
|  | Reverse: AGTTGTCTGCTTGCTTTGCTTG |  |
| *RsMCPH* | Forward: ATGGGAAAATGCTGGAGGAA | 104 |
|  | Reverse: TCGTTGAGTATGAGGAGGATGG |  |
| *RsMLH1* | Forward: AACCCCACCAAACTCCACA | 92 |
|  | Reverse: CATCAACAGCATCCACTTCCA |  |
| *RsXRCC3* | Forward: TATATGGTGGCCTTAATGGAGGTG | 96 |
|  | Reverse: TGGGAGGGAAACAGCAGAA |  |
| *RsCDK1* | Forward: TGCCACCAAAGGCGAGT | 106 |
|  | Reverse: CAAATGCCCGACCCAGA |  |
| *RsMGMT* | Forward: AATGCAATGGCAGCAAACC | 114 |
|  | Reverse: CCAGTTCTTCACGCTGTTCTTTT |  |
| *ND5* | Forward: GCTGGGGGGGTTATTCATTCCAT | 125 |
|  | Reverse: GGCATACCACAAAGGGCAAAA |  |
| *RsG6PD* | Forward: GCACTTTGTTCGTTCTGATGAGTT | 144 |
|  | Reverse: TCACTACACACTTCATCTGCCTTCT |  |