**Table 1- Primer sequences of ATM, ATR, ChK1, CHK2, and GAPDH.**

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| **Primer** | **Sequence** | **Annealing Tm** |
| **ATM** | Forward: 5ʹ- GCA GAT GAC CAA GAA TGC AA -3ʹ  Reverse :5ʹ- GGC CTG CTG TAT GAG CAA AT -3ʹ | 60°C |
| **ATR** | Forward: 5′-GGGATGCCACTGCTTGTTATGAC-3′  Reverse: 5′-CTGTCCACTCGGACCTGTTAGC-3′ | 60°C |
| **ChK1** | Forward: 5′-CTTTGGCTTGGCAACAGT-3′  Reverse: 5′-CCAGTCAGAATACTCCTG-3′ | 60°C |
| **ChK2** | Forward: 5′- CTC GGG AGT CGG ATG TTG AG -3′  Reverse: 5′-CCAGTCAGAATACTCCTG-3′ | 57°C |
| **GAPDH** | Forward: 5′-GGTATCGTGGAAGGACTCATGAC-3′  Reverse: 5′-ATGCCAGTGAGCTTCCGTTCAGC-3′ | 60°C |