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| **Table 2. Primers used in this study** |
| 1. **Primers used for cloning TgMAPK1 Constructs**
 |
| **Amplicon** | **Size (bp)** | **Forward Primer Sequence (5’-3’)** | **Reverse Primer Sequence (5’-3’)** |
| TgMAPK1SBRAllelic Replacement | 944 | TGCATGGCGATGAGTTTCTGAACG | TCGTGTCGACGTTTCTTCTGTGGA |
| TgMAPK1SBRAllelic Replacement Confirmation | 1055 | GGTCTCGAACTGTCCCTCAAAGTTCT | GCGGAATCAGTGAACGAACCCTGTA |
| TgMAPK1-HAx3 | 1557 | TACTTCCAATCCAATTTAATGCACTACTCGGCGTCGTACTCGGC | TCCTCCACTTCCAATTTTAGCCAGCTGCTGCTGGCCATGC |
| 1. **Primers used for Real-Time PCR**
 |
| **Amplicon** | **Size (bp)** | **Forward Primer Sequence (5’-3’)** | **Reverse Primer Sequence (5’-3’)** |
| TgBAG1 | 214 | GGGATGTACCAAGCATCCTG | AGGGTAGTACGCCAGAGCAA |
| TgLDH2 | 183 | TGTAACAGGCATGCCAGAAG | TCGTTTCTGCTCCACTCCTT |
| TgENO1 | 336 | CGAGGGGTGGCTGAAAAAGTATCC | CAGCGAAGGCCCACGACAAG |
| TgENO2 | 356 | AGCGGCGCATCCACTGGCATCTAC | AACGGGACGGGCATTACCATCTTG |
| TgACT1 | 589 | ATGTATGTCGCTATCCAGGCCGTT | TGATCTTCATGGTGGAAGGAGCCA |