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| **Binding Site** | **Forward and Reverse Primers** | **Amplicon Size** |
| **Promoter (P)** | F: 5’-ACGGGGAAGTTGTCTTGTTTG-3’ | 121 |
| R: 5’-GAAATTGGGAGGGAACGGGAG-3’ |  |
| **Gene body** | F: 5’-TGGAATGCACCACTCCTTCC-3’ | 211 |
| R: 5’-GGAAATCCTGTGCGGAAACG-3’ |  |
| **Enhancer 1 (E1)** | F: CAGTTATTTCCAGCCCCCG | 107 |
| R: AGGGGCGCATTGTTATGTCC |  |
| **Enhancer 2 (E2)** | F: 5’-ACTCAGGGGTTTGGCAACTG-3’ | 119 |
| R: 5’-ACATCCTCCACACCCTTGCT-3’. |  |
| **Negative Control** | F: 5’-TTAGCACCCATGATAGCCACAC-3’ | 100 |
| R: 5’-CTGGCACGTAGTCAACCCA-3’ |  |