

Table S1 Table of PCR primer sequences used in the study.

| Primer Name | Primer Sequences |
|--------------------|-----------------------------------|
| GSP1 | 5'-TTTATATCTTCGTCGTTGCCT-3' |
| GSP2 | 5'-ACCTTTTGCAACTGGCTTTT-3' |
| LBb1.3 | 5'-ATTTTGCCGATTTTCGGAAC-3' |
| PRT1 | 5'-ATGGTGAGAGAAGAACAAGA-3' |
| PRT2 | 5'-TTAAAGAAATCCCCTTGCTTG-3' |
| PQ1 | 5'-ATCTCTCGCCATGCTCTTTG-3' |
| PQ2 | 5'-CTTCATCTCCACCGACGAAC-3' |
| UBQ1 | 5'-GAAATGCATGGAGACGGATT-3' |
| UBQ2 | 5'-TTGGTCTCTGCTCCCACTCT-3' |
| ACTIN2 RT-F | 5'-GGTCGTACAACCGGTATTGTGCTGG-3' |
| ACTIN2 RT-R | 5'-CTGTGAACGATTCTGGACCTGCC-3' |
| PQ3 | 5'-TCTAAACAAGGAATTCGAGGTC-3' |
| PQ4 | 5'-AACCAGAAATGTAGCACCGT-3' |
| NPT-Fv1/MT1 | 5'-ACAAGCCGTTTTACGTTTGG-3' |
| NPT-Rv | 5'-TCATTTCGAACCCAGAGTC-3' |
| MT2 | 5'-ATACTTTCTCGGCAGGAGCA-3' |
| MT3 | 5'-TTCGCAAGACCCTTCTCTA-3' |
| MT4 | 5'-GTTTTCCAGTCACGACGTT-3' |
| NPT-Fv2 | 5'-TGCTCCTGCCGAGAAAGTAT-3' |
| pNOS-BS-F | 5'-GGGTTTTYTGAGTTTAATGAGYTAAG-3' |
| pNOS-BS-R | 5'-CACTTCRCCAATARCARTCCCTTCC-3' |
| pBEN1-BS-F | 5'-GTATAGTAGTAAAAAAGAAGAAGAAG-3' |
| pBEN1-BS-R | 5'-CTTRTTCTTCTCTACCATTTTCTCTCT-3' |
| BEN1-E2-BS-F | 5'-TTAGGAATTAAGGAGAAGAG-3' |
| BEN1-E2-BS-R | 5'-AATTAATACCAAAAAACATAAC-3' |