Supplementary table 1 List of primers.

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| Primers | Recognition sites | Primer sequences (5’-3’) | Product length (bp) |
| P1F | 9970-9992 | TCTTTAAAAACTTCAAAGAAAAA | 5799 |
| P1R | 96-120 | ACATAATTTATCCTATCAGAATAA |
| P2F | 2-26 | TAAAAATAAGCTAAATTTAAGCTT | 2254 |
| P2R | 2230-2255 | TATACTTCTGGATGGCCAAAAAATCA |
| P3F | 1523-1547 | ACTCAACAAATCATAAAGATATTGG | 7280 |
| P3R | 8779-8802 | TGCGTATTCTTCTGTTGCTCATAT |
| P4F | 6253-6276 | TAAGCTGCTAACTTAATTTTTAGT | 4697 |
| P4R | 10925-10949 | TCATAATAAATTCCTCGACCAATAT |