Table S1 The primers of 5 satellite DNAs and 5 LTRs and annealing temperature of PCR

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| --- | --- | --- | --- |
| Name  | Upstream Primers (5’-3’)  | Downstream Primers (5’-3’)  | Anneal Temperatur(℃) |
| SatDNA-01 | TCTTAGTTACCTGTTCCCAAAT | CCGAGAAGCGATACCATAC | 56 |
| SatDNA-02 | TCGCATCAACCAAATCTC | TGTACCGTTAGTGGAAAGC | 54 |
|  |  |  |  |
| SatDNA-03 | TCACTGTGGTTGTTGTAT | ATTCTAAGGGGAGTTGTT | 48 |
| SatDNA-04 | GCATCGCATATCGACCAGGCACT | CCATTACACCACGGAACCAGACG | 56 |
| SatDNA-05 | GATACCTGGCTTTCACCC | CACAACGCAATGTCCTAAC | 54 |
| SatDNA-06 | GACCACTAAGCCAAGCAA | TAGGCACTATTCCGCATC | 53 |
| SatDNA-07 | GAATCCGAATACAATAGCG | TCCTGGCATAAGAATCAC | 52 |
| LTR-01 | GCGTAGCGGCAGTGCTTTCTCAT | CGTTAAAGGCTTGTGGTCGGTGA | 55 |
| LTR-02 | ATAAACTGCGGGAACGAC | AGAAGACTGGCAAACTGA | 53 |
| LTR-03 | ATAAACTGCGGGAACGAC | TCTCCTGGCTGCGTATGA | 55 |
| LTR-04 | GCGTAGCGGCAGTGCTTTCTCAT | CGTTAAAGGCTTGTGGTCGGTGA | 55 |
| LTR-05 | CTTCTTACCCACTCCCACG | ACGGAACAGACGCAATCA | 52 |