**Table S1: Primers used for amplication of various target molecules**.

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| **target Sequence** | **primer name** | **primer sequence** |
| phage  | L1 | 5’-AAGGAAACGACAGGTGCTGA-3 |
| phage  | L3 | 5’-CCAGCTGCTTTTTGTTGACTT-3 |
| phage  | L4 | 5’-TCCTGCCAG TTCTGA ATGGT-3’ |
| phage  | L5 | 5’-TACCCTTGCCACCGCCT-3’ |
| phage  | L6 | 5’-AGCATCCCTTTCGGCATA-3’ |
| phage  | L7 | 5’-ATCTGCCTCGCTGGCCT-3’ |
| phage  | L9 | 5’-GGTGCGAGTATCCGTACCATT-3’ |
| phage  | L10 | 5'-GCGCAGCTTTTCGTTCTC-3' |
| mitochondrial D-loop B. taurus | BB1 | 5’-TTAATTACCATGCCGCGTGA-3’ |
| mitochondrial D-loop *B. taurus* | BB2 | 5’-CATGGGCTGATTAGCCATTAGT-3’ |
| mitochondrial D-loop *B. taurus* | BB3 | 5’- CCATGCATATAAGCAAGTACATGA-3’ |
| mitochondrial D-loop *B. taurus* | BB4 | 5’-GCGGCATGGTAATTAAGCTC-3’ |
| mitochondrial D-loop *B. taurus* | BOUT2 | 5’-GGCACAATCGAAAACAAATTACT-3’ |
| mitochondrial D-loop *B. taurus* | BOUT3 | 5’-CTTGCTTTGGGTTAAGCTACATC-3’ |
| mitochondrial D-loop *B. taurus* | BB15m | 5'-TGA CTG TAC ATA GTA CAT TAT GTC AA-3' |
| mitochondrial D-loop *B. taurus* | BB16m | 5'-GCT CGT GAT CTA ATG GTA AGG-3' |
| mitochondrial D-loop *B. taurus* | BB17 | 5'-CCC CAT GCA TAT AAG CAA G-3' |
| mitochondrial D-loop *B. taurus* | BB18 | 5'-AAG AAT GAA TTT GAC ATA ATG TAC TA-3' |
| mitochondrial D-loop *E. caballus* | EA5.1 | 5'-CATCCAAGTCAAATCATTTCCA-3' |
| mitochondrial D-loop *E. caballus* | EA6.1 | 5'-CTGATTTCCCGCGGCTT-3' |
| pBR322 | BR1 | 5’-ATGCGTTGATGCAATTCT-3’ |
| pBR322 | BR2 | 5’-GTCGATAGTGGCTCCAAGTA-3’ |
| rp49 gene *D. melanogaster* | RPF | 5’-CCGCTTCAAGGGACAGTATCTG-3’ |
| rp49 gene *D. melanogaster* | RPR | 5’-CACGTTGTGCACCAGGAACTT-3’ |