**S1 Table. Primers used for PCR detection**

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| Name  | Sequence  |
| 354 nt-p1-F | 5'TCCCGAATCATGTGCCCAAAC 3' |
| 354 nt-p1-R  | 5'TGTGGTGGTAAAATAAAGGTAAC3' |
| M13-F | 5'AGCGGATAACAATTTCACACAGG 3' |
| M13-R | 5'GTCGTGACTGGGAAAACCCTGG 3' |
| *Cenh3*-F | 5'CCGGAAAGGGCTGCTGGGAC 3' |
| *Cenh3*-R | 5'CCAACGCCTTCCTCCGATAC 3' |
| RNA-85-p1-F | 5'CGACCTAATAACAAAGAGCATG 3' |
| RNA-85-p1-R | 5'CAGGTTGCCCAGGCCGAAAA 3' |
| RNA-269-p1-F | 5'TGGAATAGAGTGTGTCGCTGA 3' |
| RNA-269-p1-R | 5'GGGTATGCTTCGTTGTGGTTTAGTTGAG 3' |
| RNA-85+269-p1-F | 5'TCGCGAGCATACAAGTGCATAAC 3' |
| RNA-85+269-p1-R | 5'TGAGGATTATTACCAGGAGTTAC 3' |
| Wheat 323 nt-F Wheat 323 nt-R | 5'AGCGGTAACATAGCCAAACAACGG 3'5'AGTCACTTGCTGCAGCTCCACATCATAC 3' |
| DOP-PCR primer | 5'CCgACTCgAgNNNNNNATgTgg 3' |