**Supplementary Materials**

# Elicitation of novel Trichogenic-lipid nanoemulsion signaling resistance against pearl millet downy mildew disease

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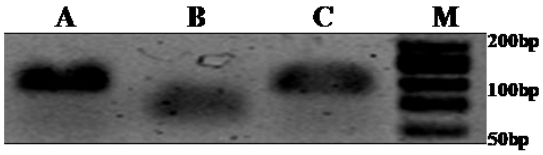
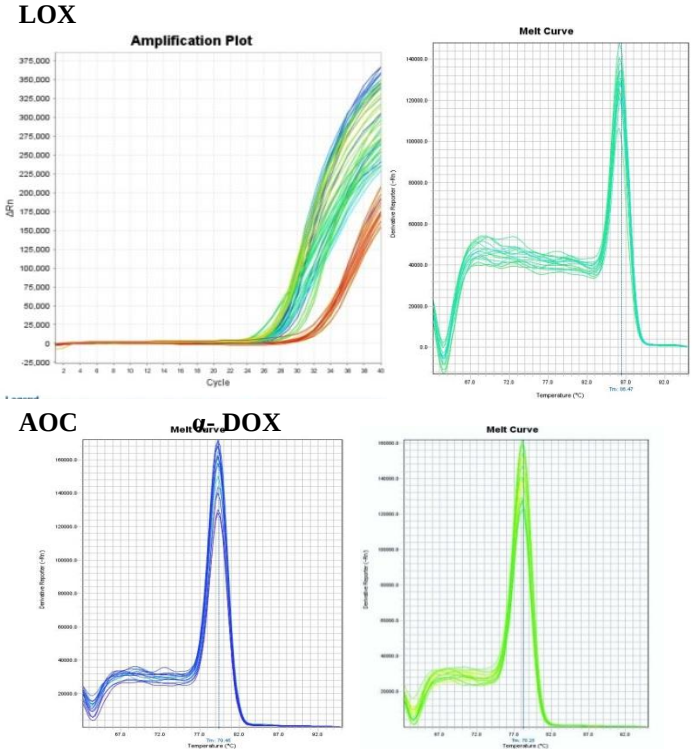
**Fig. 1.** Specificity of qRT-PCR amplicons @ annealing temperature of 60°C.

**Fig. 2.** Amplification plot and Melt curve (Tm) of specific target genes.

**Table 1.** Details of the reference genes and target genes




**S. Fig. 1** Specificity of qRT-PCR amplicons @ annealing temperature of 60°C.




**S. Fig.2.** Amplification plot and Melt curve (Tm) of specific target genes.

**S. Table 1.** Details of the reference genes and target genes

| Sl. No | Gene | Gene symbol | Primers (5′-3′) | Amplicon length(bp) |
|---|---|---|---|---|
| 1 | **Glyceraldeyde-3-phosphate dehydrogenase** | **GAPDH (reference gene)** | F - TGCCTTGCTCCCCTTGCTAA<br>R - CAGCCCTTCCACCTCTCCAG | **139** |
| 2 | **Lipoxygenase** | **LOX** | F – TTCGACTGGGAGGTGGAGAA<br>R - GGTACGTATCGTTGGAGAAG | **159** |
| 3 | **Allene oxide cyclase** | **AOC** | F – TACGGCCAGGTCAAGCTCAA<br>R - TGGTGTAGTTGTCGAGGGATGC | **184** |
| 4 | **α-Dioxygenase** | **α-DOX** | F – ATCCTGCTGCGTCCAAGTTT<br>R - ACAATCACGCCCAGAAACGA | **168** |