

SUPPLEMENTARY MATERIAL

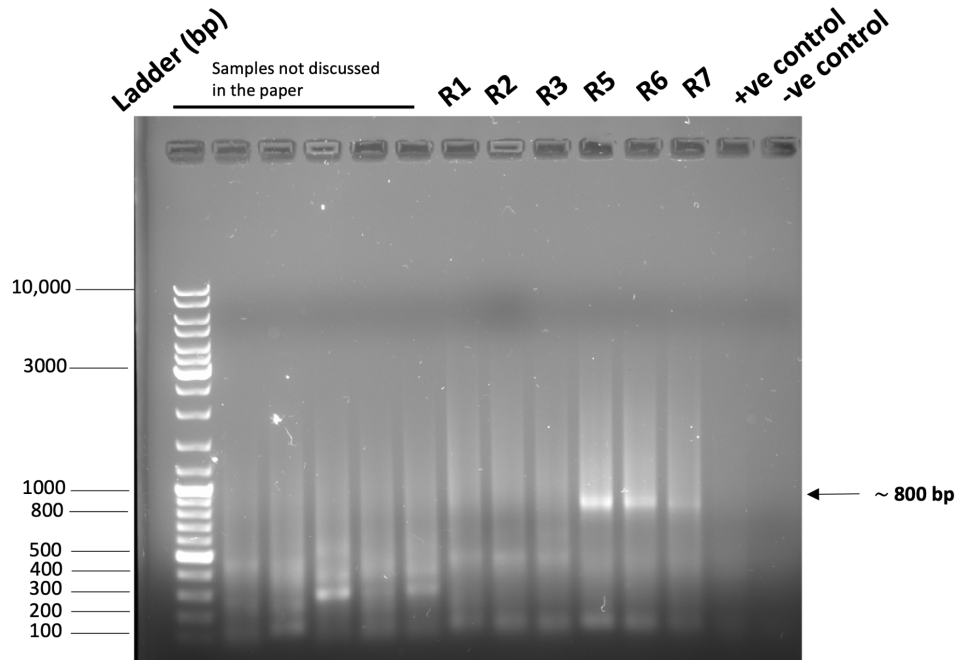


FIG. S1 Taq PCR amplification of the ligated cDNA PCR amplicons yield products of varied lengths. 1% agarose gel electrophoresis of Taq PCR re-amplified products. The negative control, consisting of sterile dH₂O only, serves as a negative control for Taq PCR re-amplification. The positive control consists of pDO6935 DNA. O'GeneRuler 1 kb DNA Ladder (Thermofisher) was used for reference (26).

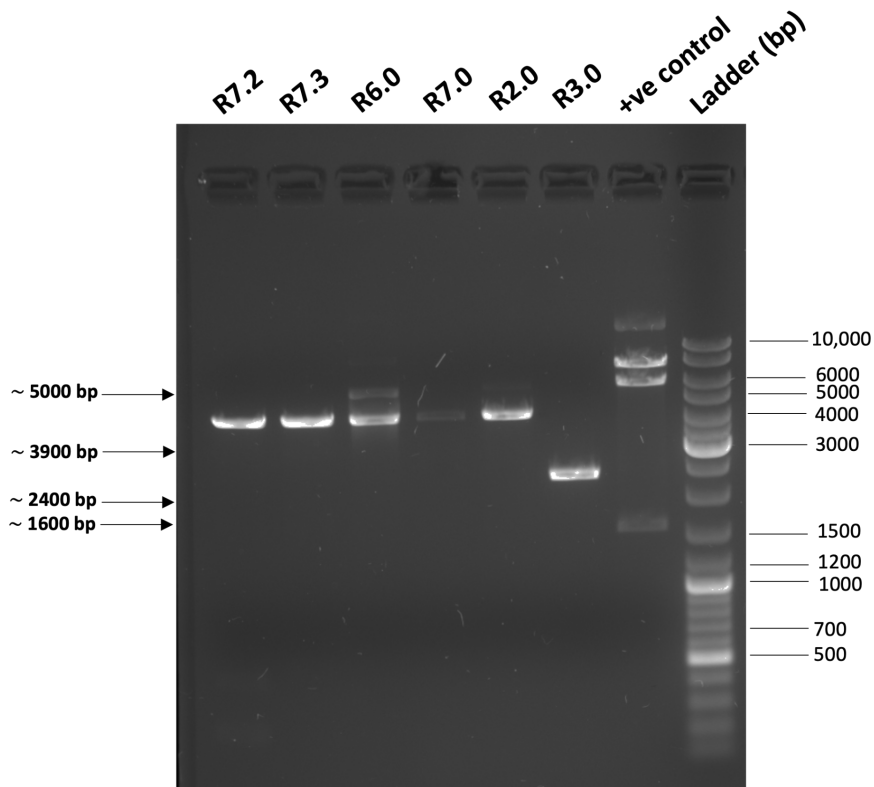


FIG. S2 Restriction digest of samples does not yield desired ligated cDNA PCR product. EcoRI-HF restriction digest was performed and visualized on a 1% agarose gel. R2 and R3 represent RNA samples extracted using the QIAGEN RNeasy Kit, whereas R6 and R7 - using the Monarch Total RNA Miniprep kit. The subsequent numbers in the sample names represent distinct colonies chosen for transformation from the same plates. O'GeneRuler 1 kb DNA Ladder (Thermofisher) was used for reference (26). +ve control serves as positive control for Figure S1 and Figure 3 and consists of pDO6935 DNA.