



Figure S3: CaLCuV *ALI* frameshift mutation abolishes viral DNA replication in *Nicotiana tabacum* (NT1) protoplasts. Protoplasts were electroporated with no viral DNA (mock) (lanes 1-3), wild-type CaLCuV A DNA (lanes 4 to 6) or the replication-deficient CaLCuV A mutant DNA (lanes 7 to 9) in triplicate. Total DNA was extracted at 48-h post transfection and analyzed by DNA gel blotting using a ^{32}P -labeled CaLCuV DNA-A probe. dsDNA, double-stranded DNA.