





Fig. S4. Domain architecture of Bakta-predicted group II intron-encoded proteins in PR08 (A) and PR34 (B). In PR08 (A), several reverse transcriptase (RT) ORFs exhibit split configurations where RT and maturase (Domain X) domains are encoded by consecutive but separate genes, with some RTs lacking adjacent Domain X. Upstream intergenic regions (~500–600 bp) may represent partial intron RNA remnants. In PR34 (B), all identified intron ORFs are intact, harboring both RT and Domain X within a single ORF, although a few pseudo-RT ORF sequences show disrupted motifs.