

Bacterially expressed recombinant TMOF induces mortality and gut microbial alterations in *Aedes albopictus* larvae

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Supplementary data

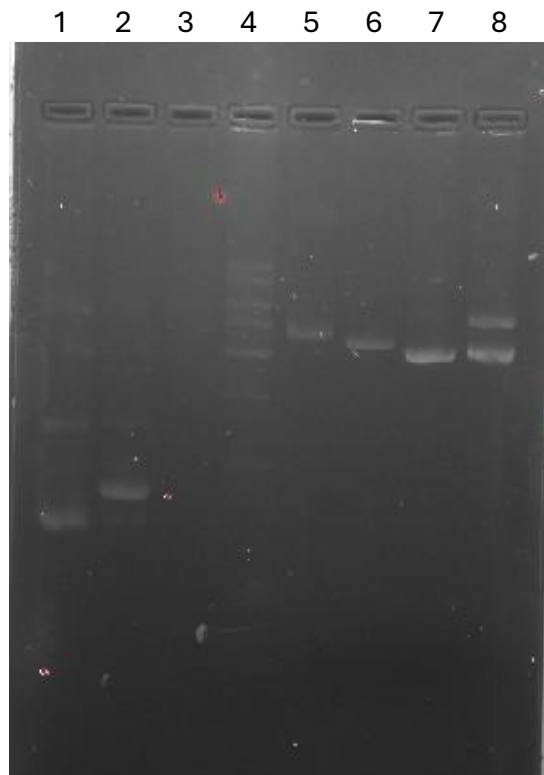


Fig S1. Screening of recombinant vector by restriction digestion. Restriction digestion and agarose gel electrophoresis of pFN29A vector cloned with TMOF. Lane 1-3 loaded with samples unrelated to screening of recombinant vector by restriction digestion. Lane; 4- 1kb DNA ladder, 5- uncut pFN29A-TMOF, 6- cut pFN29A-TMOF (4075 bp), 7- cut pFN29A (4398 bp), 8- uncut pFN29A.

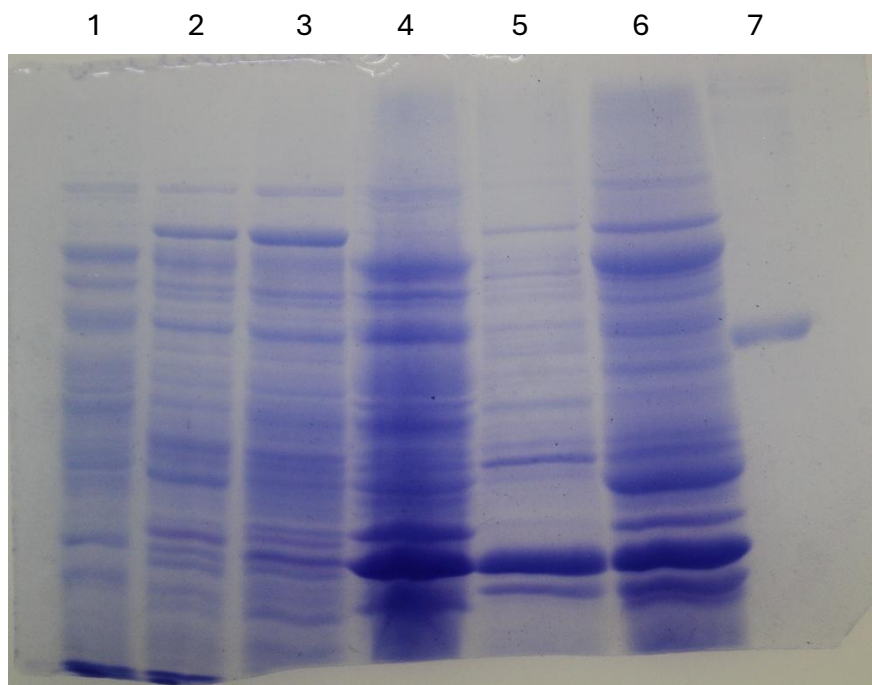


Fig S2. SDS-PAGE showing the expression of TMOF in the BL21 bacterial lysate
Recombinant TMOF expression: lane 1 – crude control, lane 2 –Crude TMOF, lane 3-6 TMOF expression under varying conditions, lane 7 - BSA

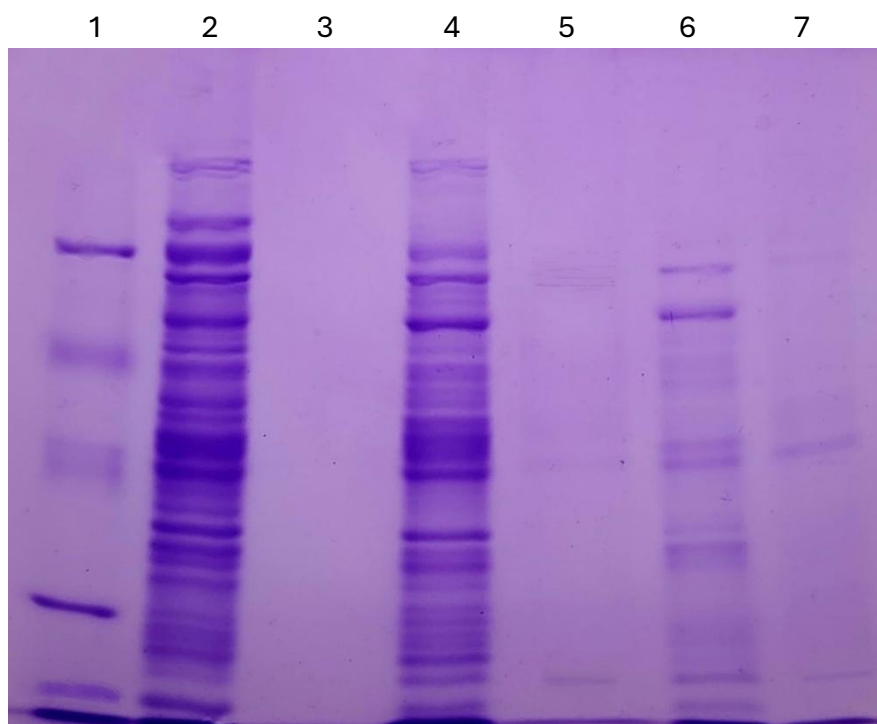


Fig S3. SDS-PAGE showing the protein molecular weight marker. Lane 1- Protein molecular weight marker, lane 2-7 proteins unrelated to TMOF project

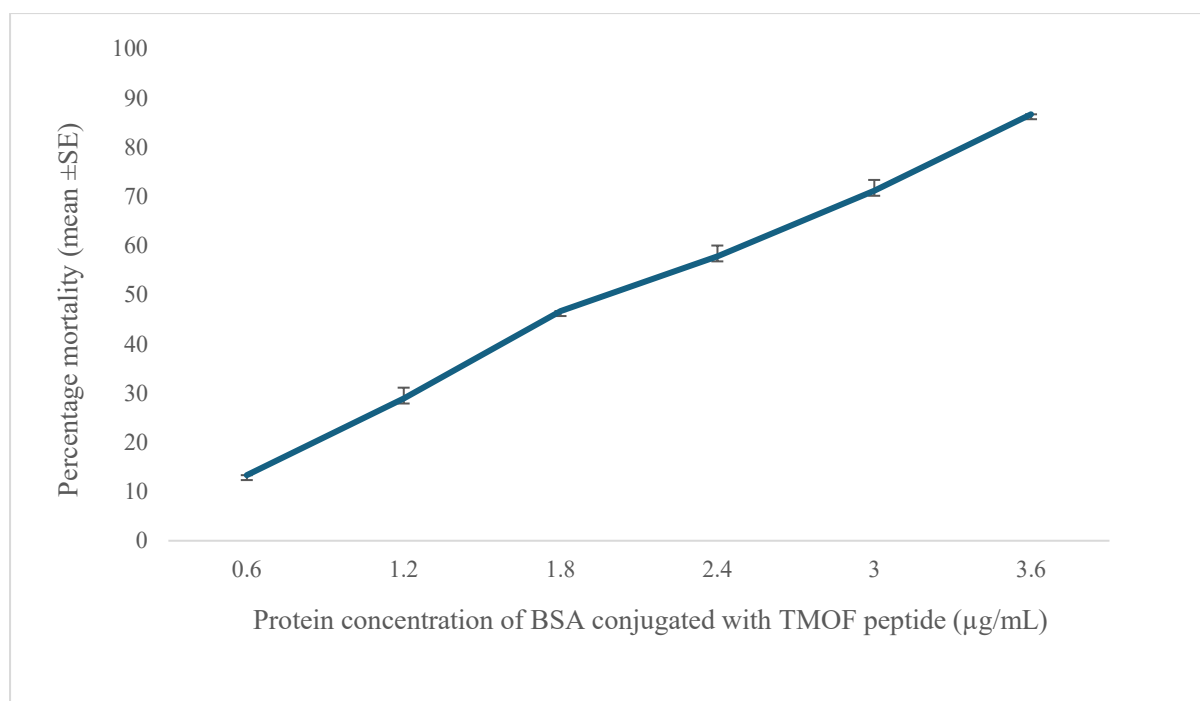


Fig S4. Conjugation studies. Graph showing toxicity of conjugated TMOF pentapeptide to *Aedes albopictus* larvae.

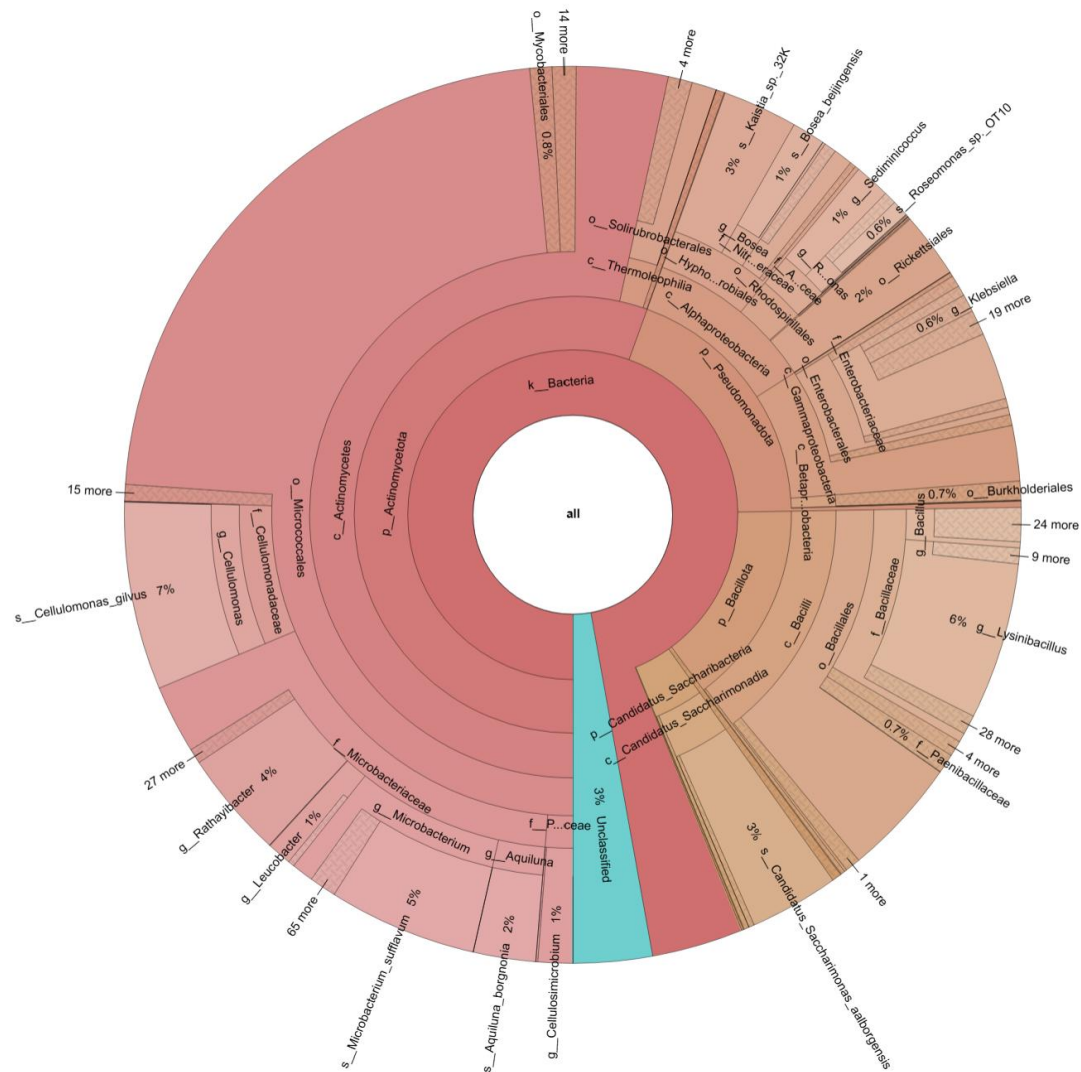


Fig S6. KRONA MAP. Distribution of bacterial species in *Aedes albopictus* larvae treated with crude TMOF