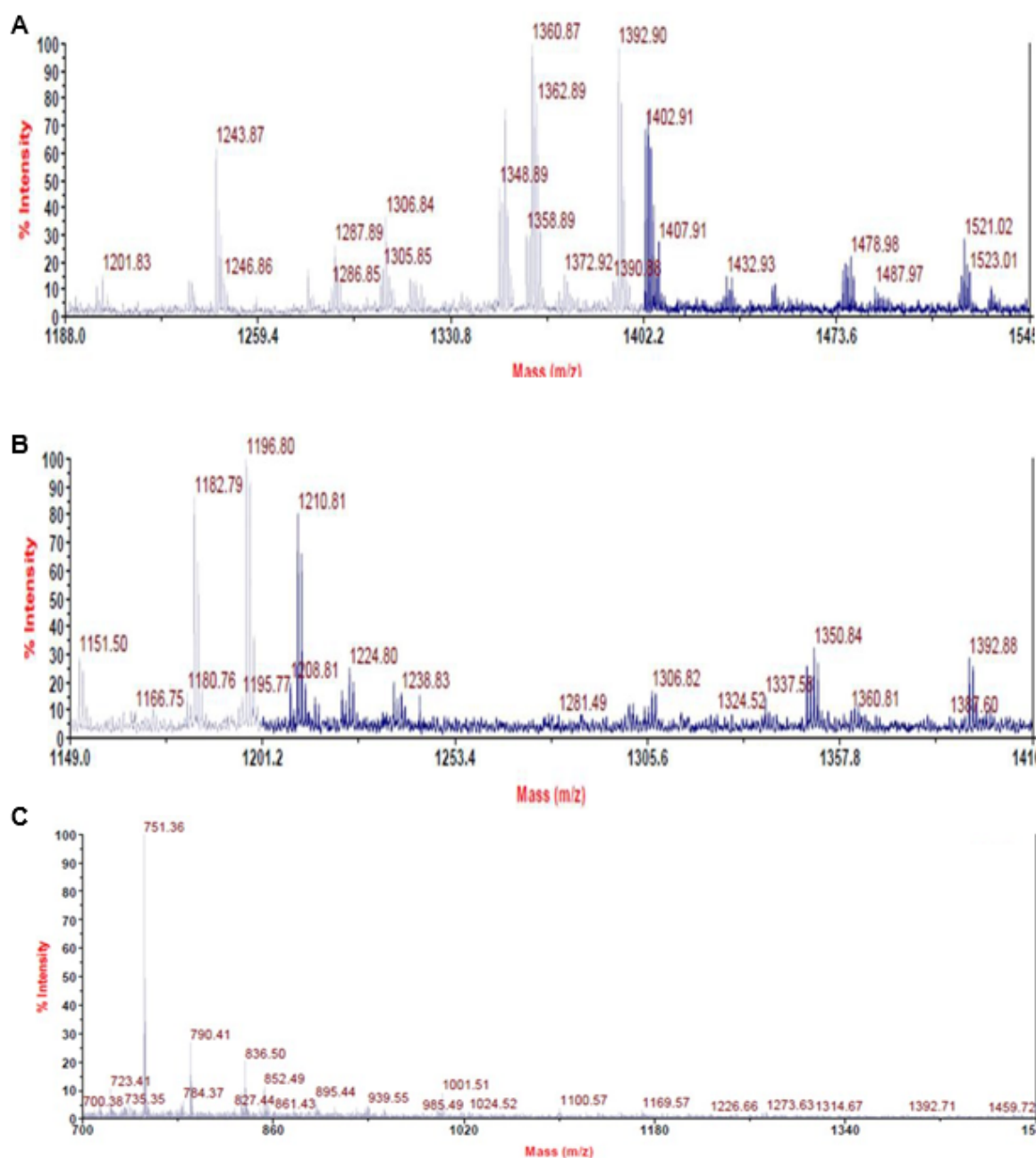




Additional File 9. MALDI-TOF MS of WT *X. innexi*, Δ XIS1_460109 and Δ XIS1_460115. XIt has molecular weight range between 1348 and 1409 Da as observed in the mass profile of WT *X. innexi* (A). However, mass profiles of Δ XIS1_460109 (B) and Δ XIS1_460115 (C) showed peaks at different molecular weights. Δ XIS1_460109 showed major peaks between 1182 and 1201 Da, and Δ XIS1_460115 showed a major peak at 751 Da. Differences of mass profile between WT and mutant *X. innexi* confirmed that the mutation at XIS1_460109 or XIS1_460115 inhibited the synthesis of XIt.