

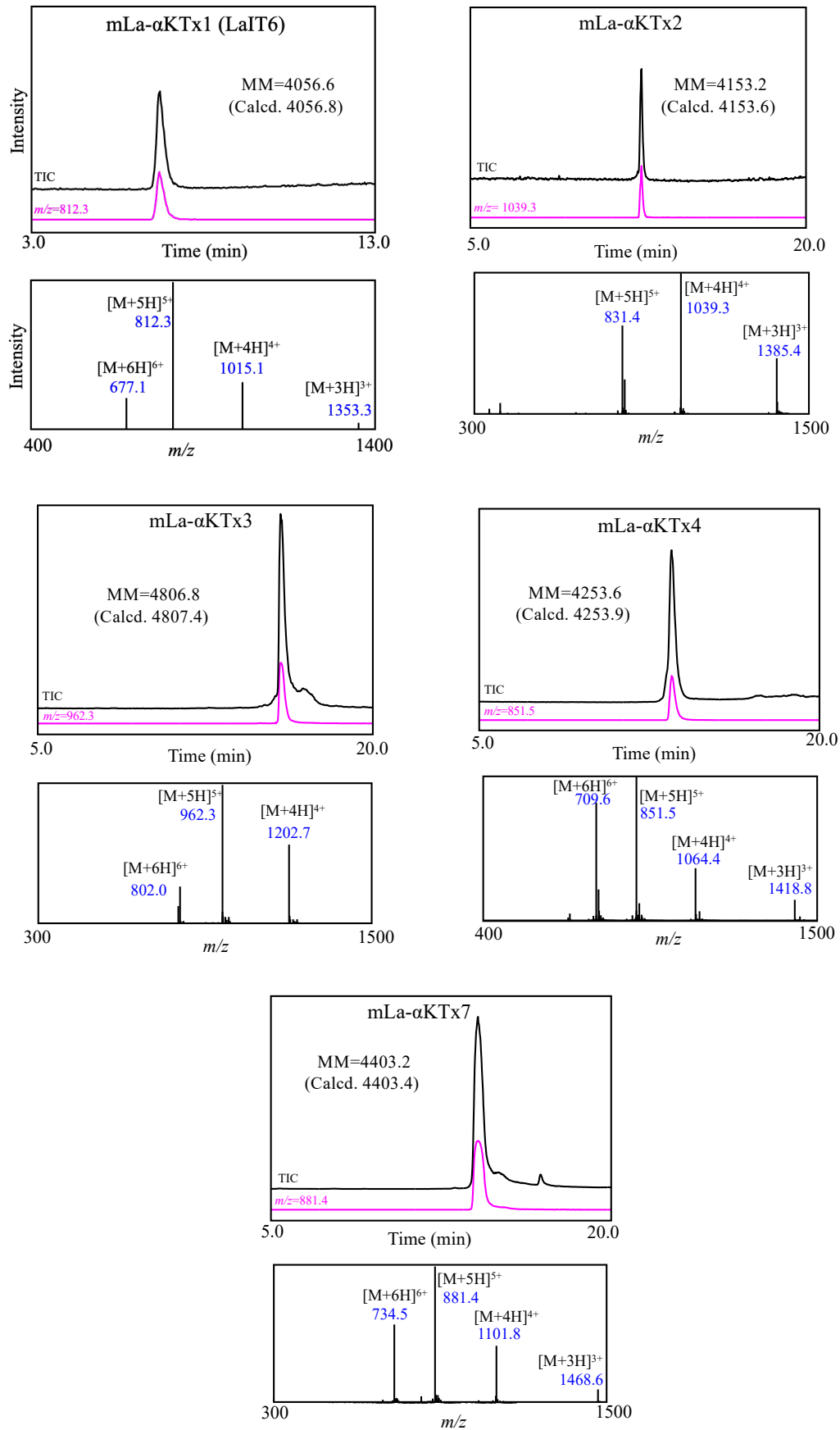


Figure S1 LC/MS analysis of the synthesized α -KTx peptides after HPLC purification.

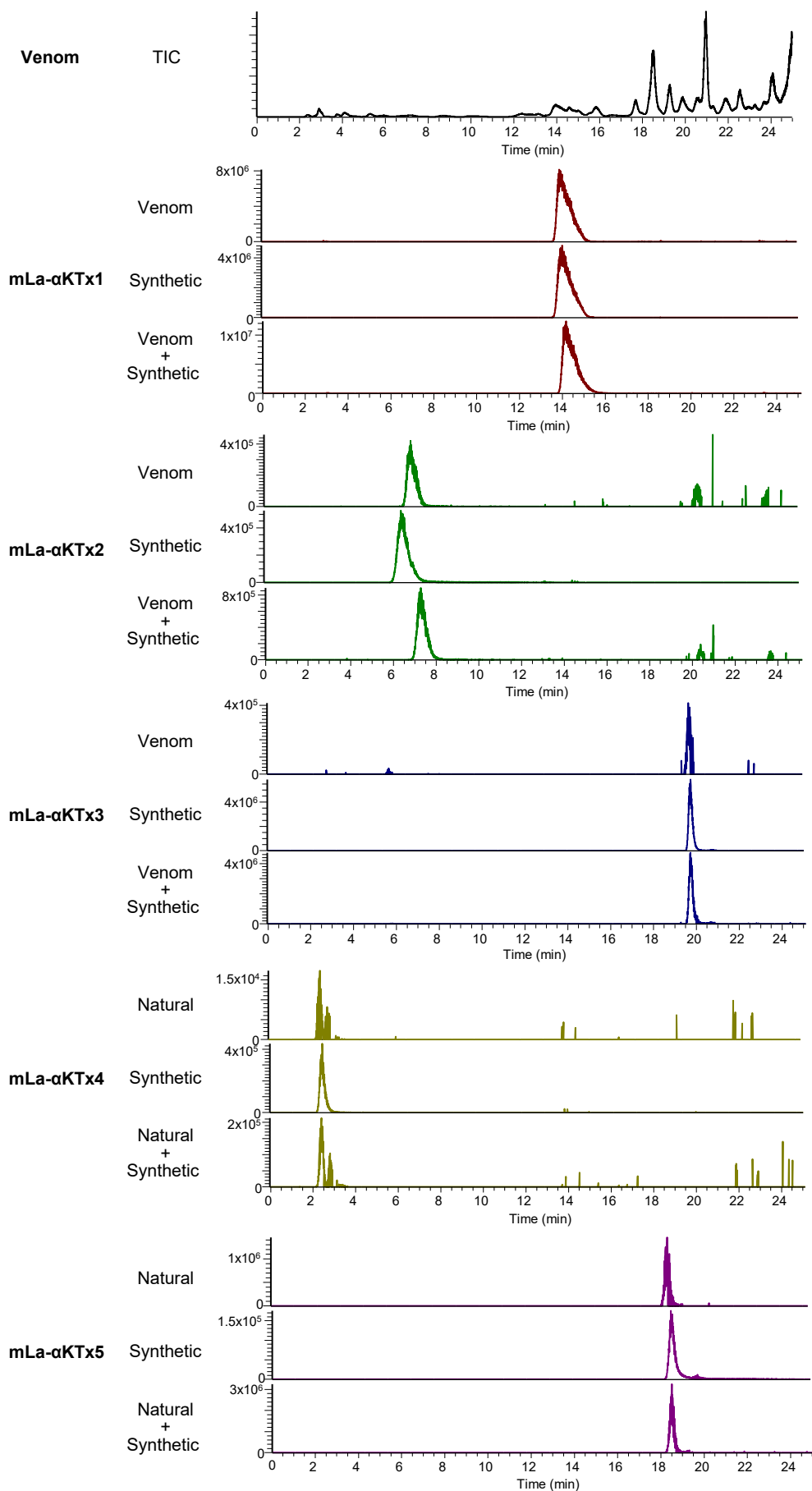


Figure S2 Comparison of LC/MS retention times between synthetic and venom-derived peptides

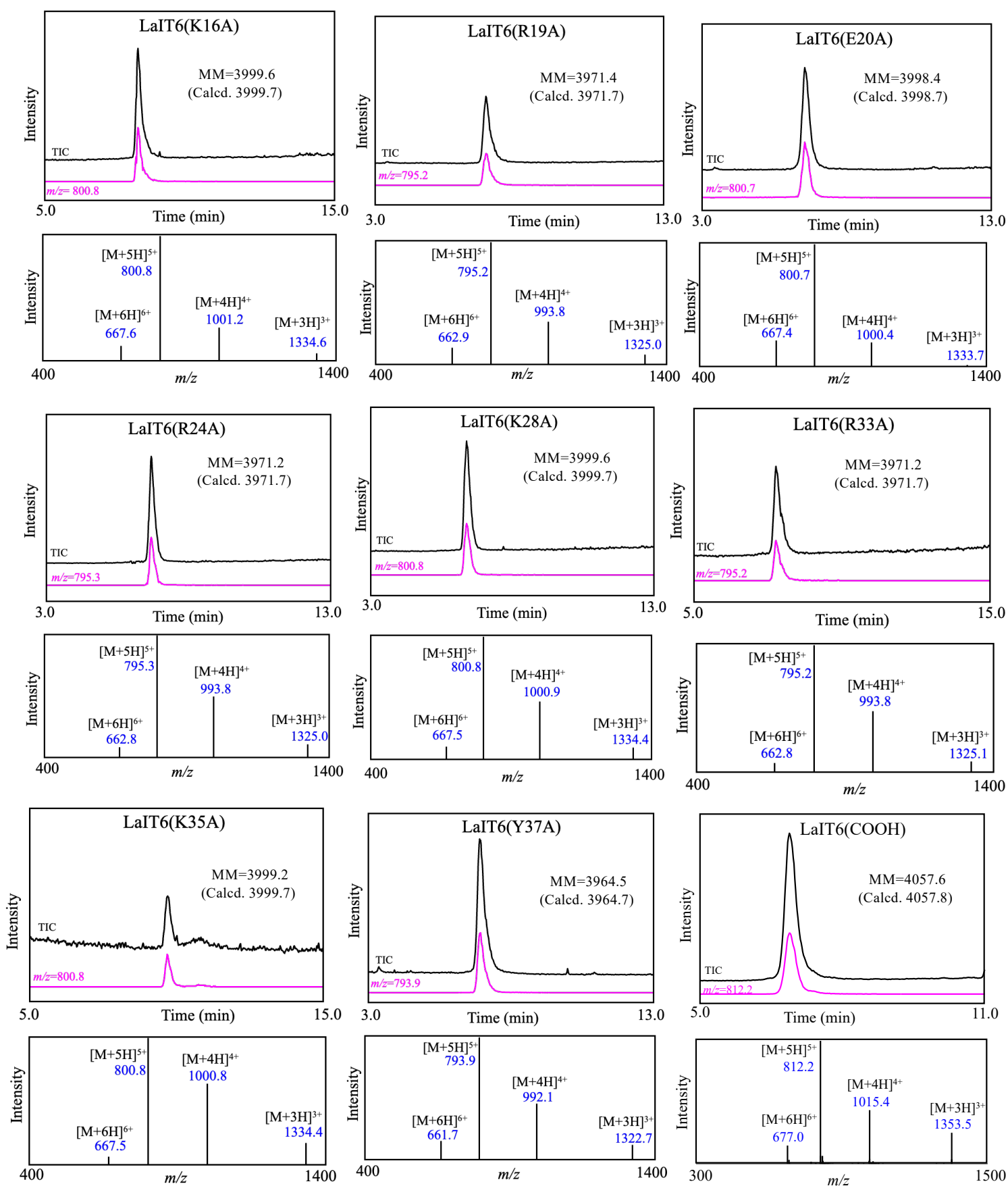


Figure S3 LC/MS analysis of the synthesized LaIT6 analogs after HPLC purification.

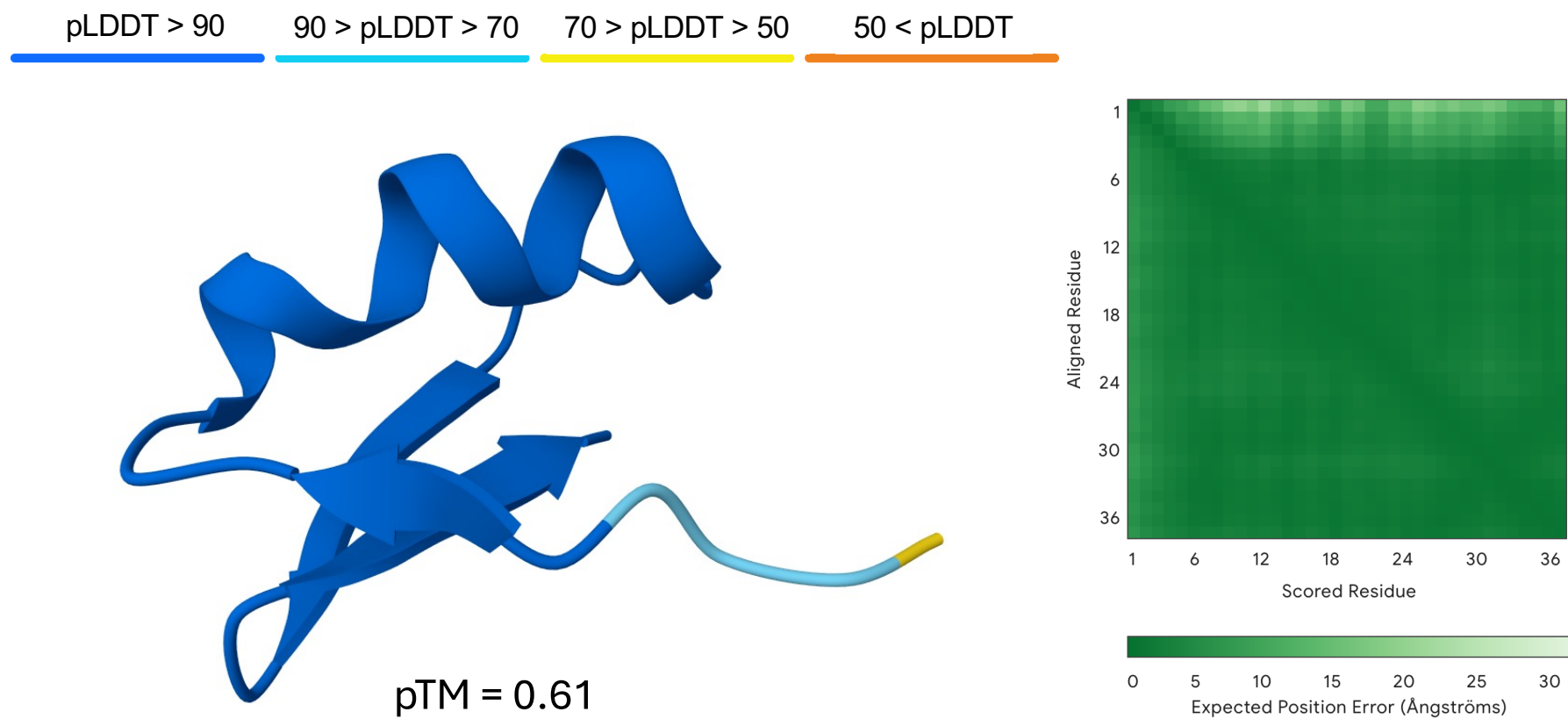


Figure S4 Confidence metrics of the LaIT6 structure predicted using AlphaFold 3.