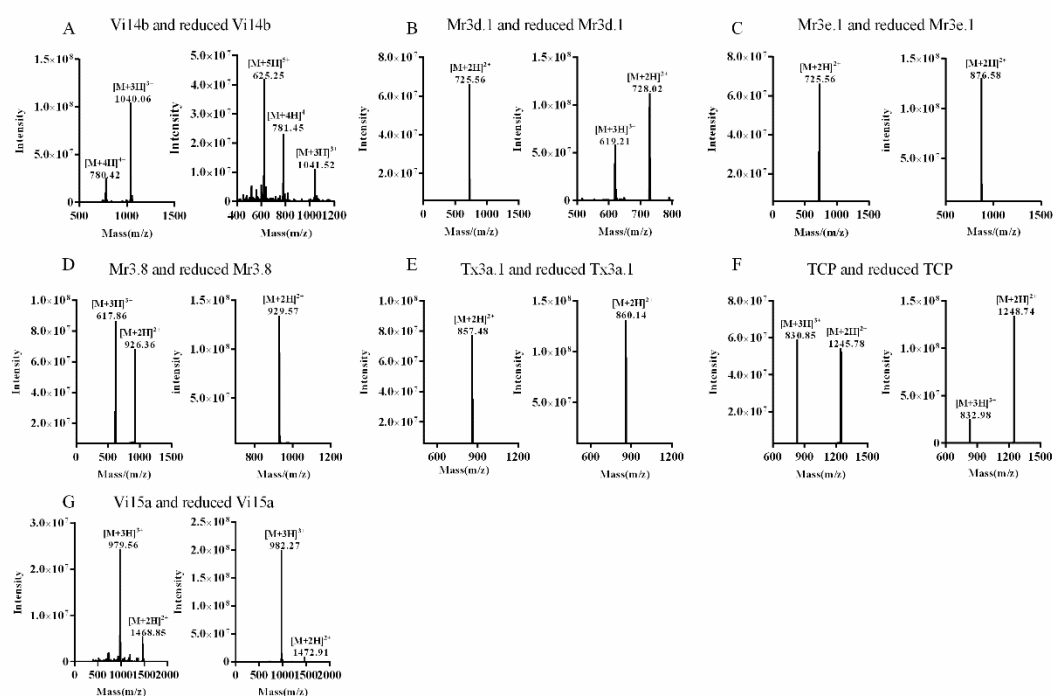


# Supplemental Material A

## Anti-Ovarian Cancer Conotoxins Identified from *Conus* Venom

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**Figure S1.** Primary mass spectra of Vi14b, Mr3d.1, Mr3e.1, Mr3.8, Tx3a.1, TCP, Vi15a before and after total reduction.

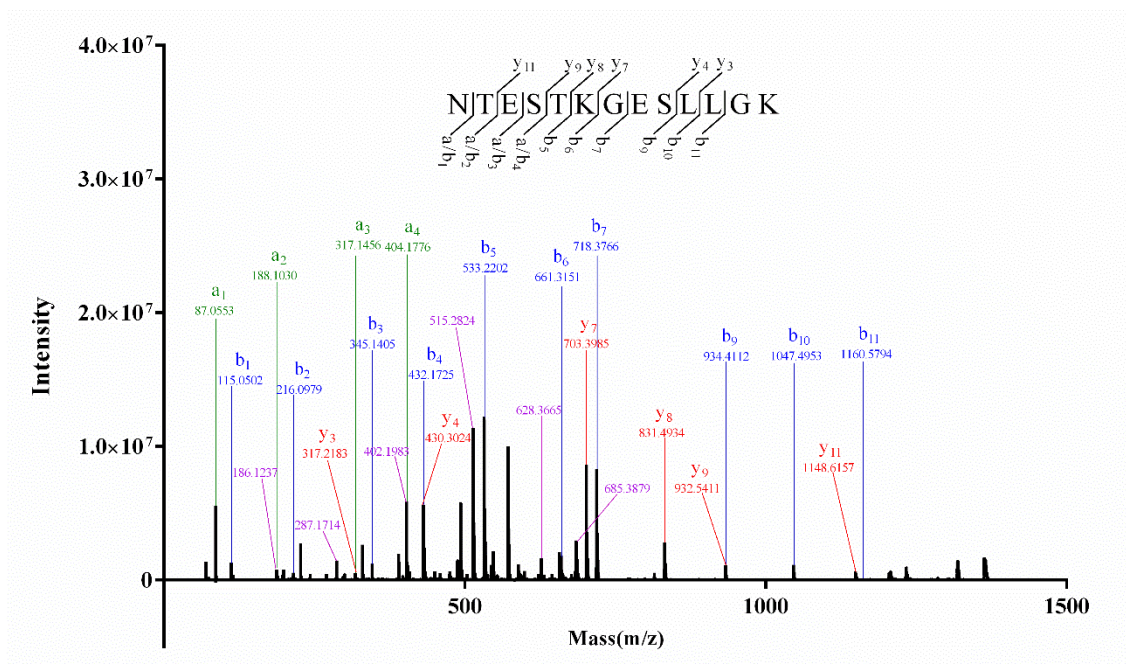


Figure S2. MALDI-TOF-MS/MS spectrum of Vi003 sequencing.

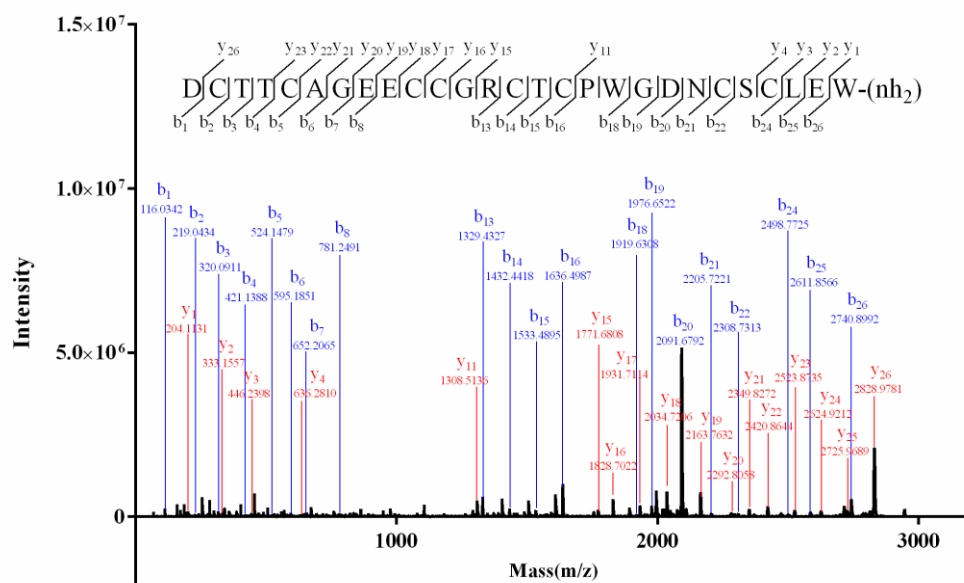


Figure S3. MALDI-TOF-MS/MS spectrum of Vi15a sequencing.

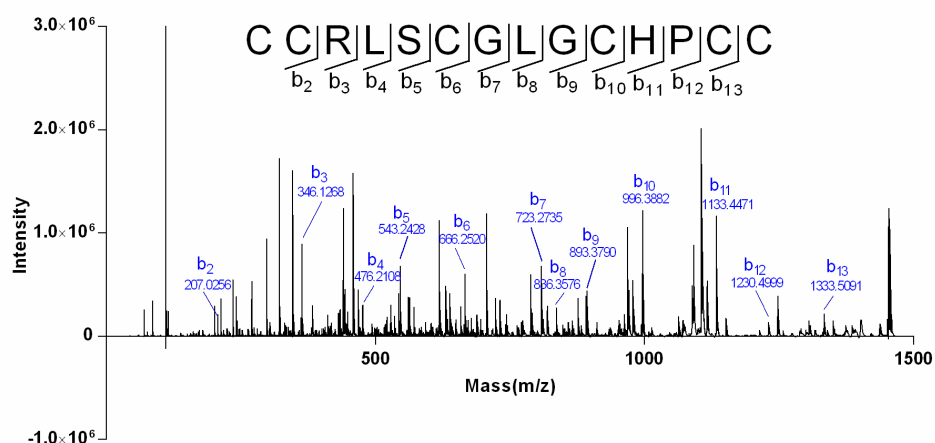


Figure S4. MALDI-TOF-MS/MS spectrum of Mr3d.1 sequencing.

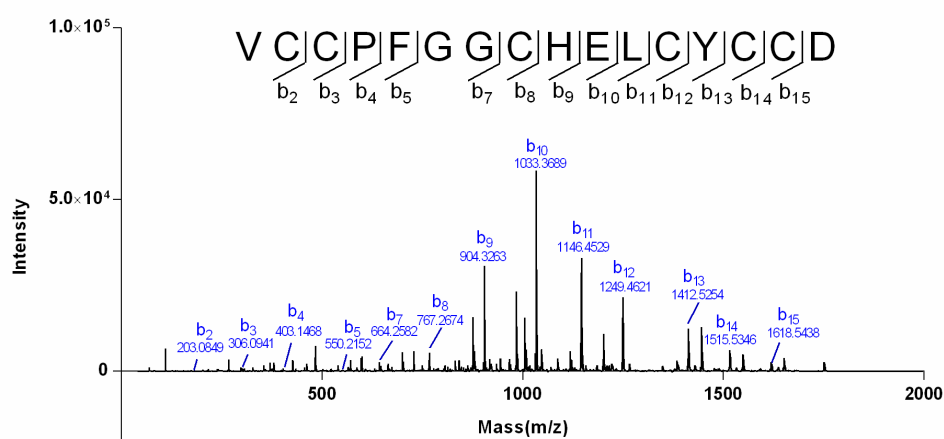


Figure S5. MALDI-TOF-MS/MS spectrum of Mr3e.1 sequencing.

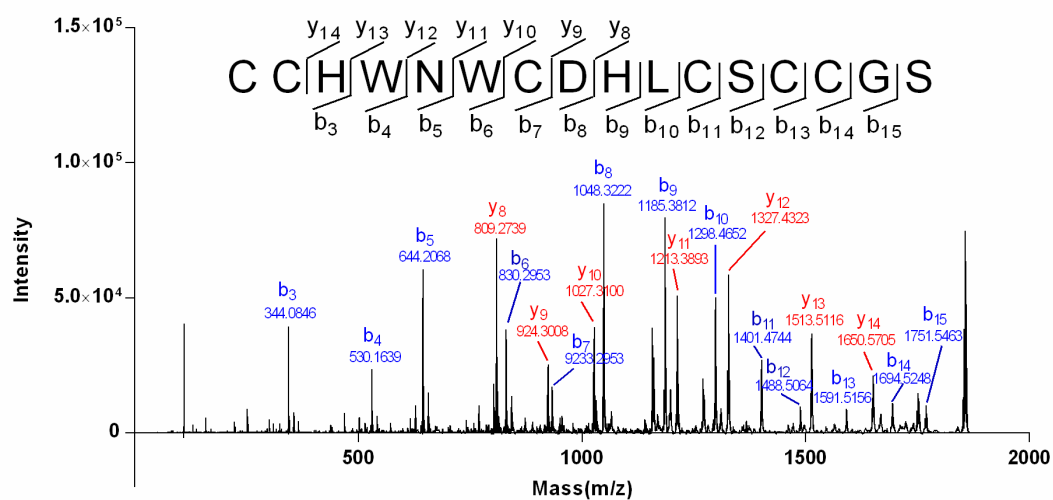


Figure S6. MALDI-TOF-MS/MS spectrum of Mr3.8 sequencing.

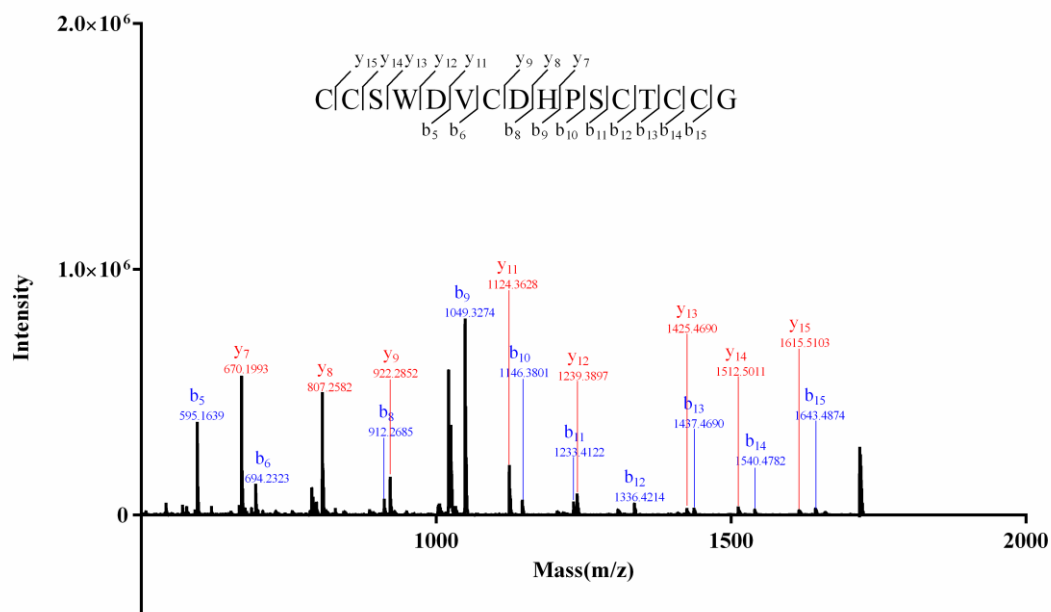


Figure S7. MALDI-TOF-MS/MS spectrum of Tx3a.1 sequencing.

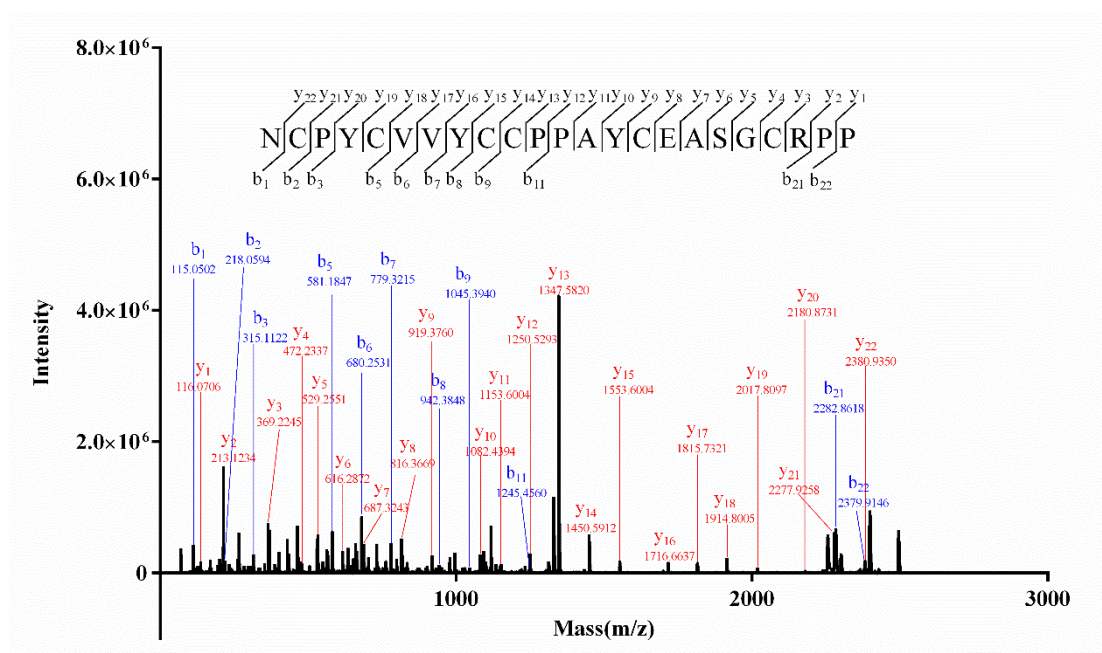
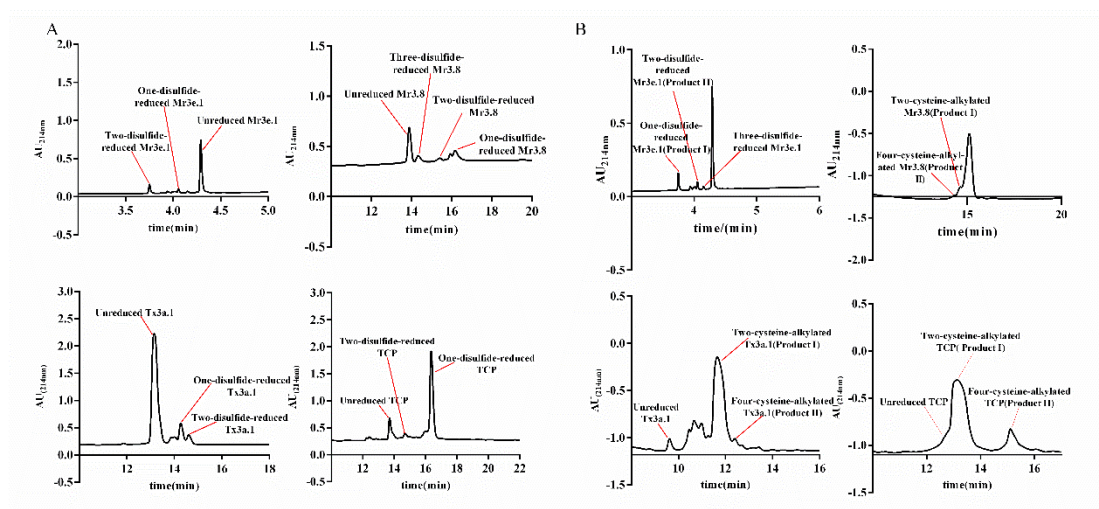
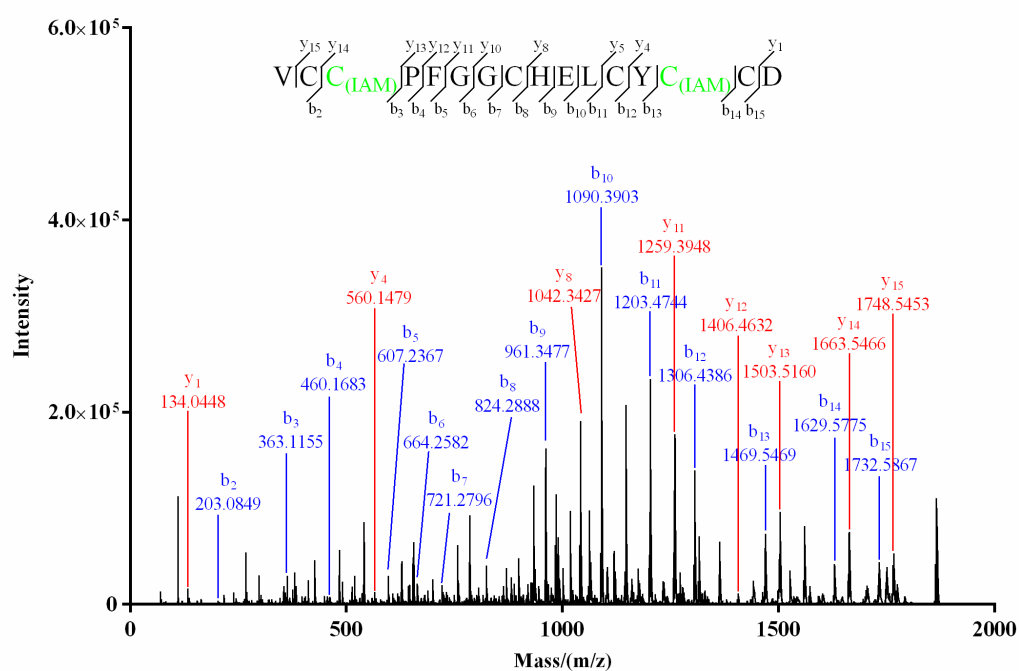


Figure S8. MALDI-TOF-MS/MS spectrum of TCP sequencing.



**Figure S9.** HPLC analysis of stepwise reduction by TCEP and follow-up alkylation by IAM. **(A)** Stepwise reduction products of Mr3e.1, Mr3.8, Tx3a.1 and TCP. **(B)** Alkylated products of stepwise-reduced Mr3e.1, Mr3.8, Tx3a.1 and TCP.



**Figure S10.** MALDI-TOF-MS/MS spectrum of product I of Mr3e.1.

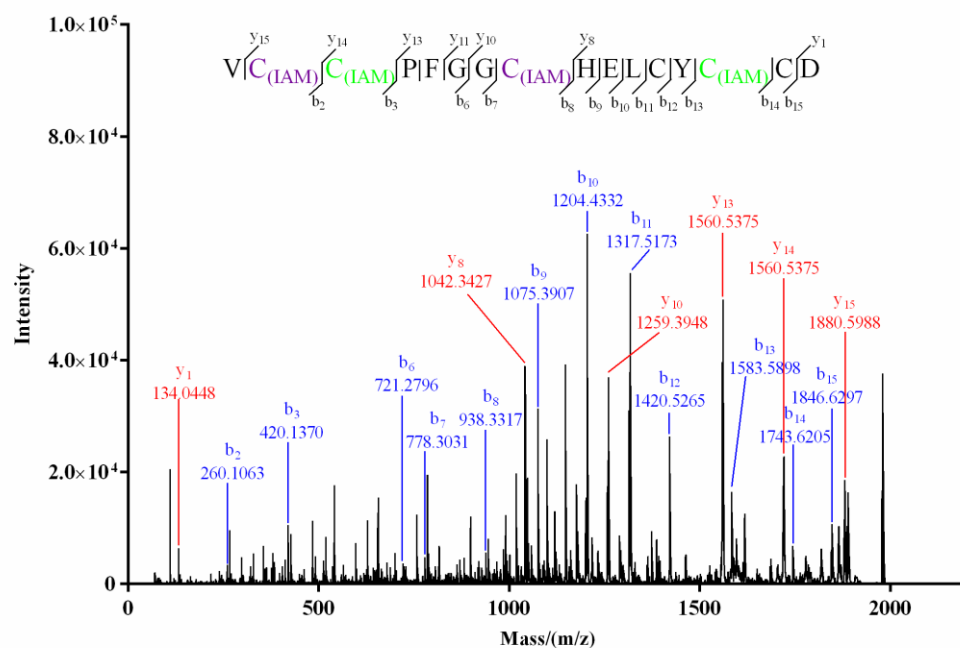


Figure S11. MALDI-TOF-MS/MS spectrum of product II of Mr3e.1.

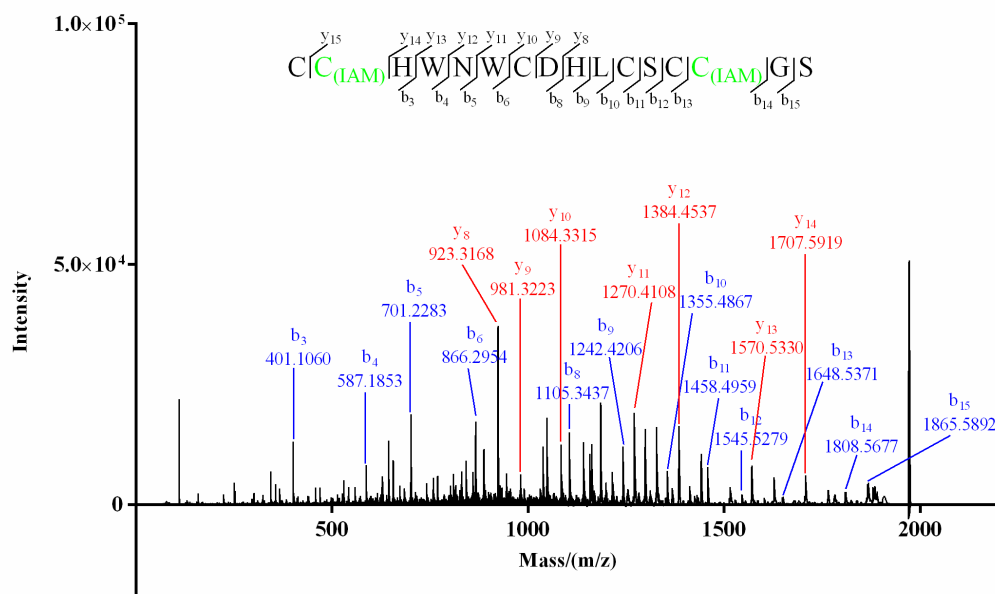


Figure S12. MALDI-TOF-MS/MS spectrum of product I of Mr3.8.

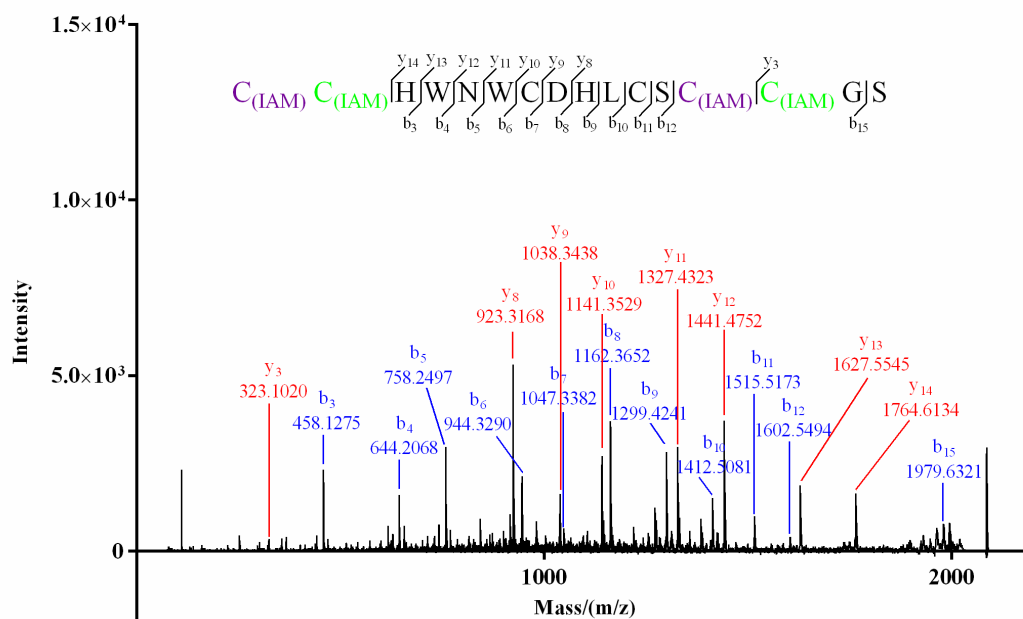


Figure S13. MALDI-TOF-MS/MS spectrum of product II of Mr3.8.

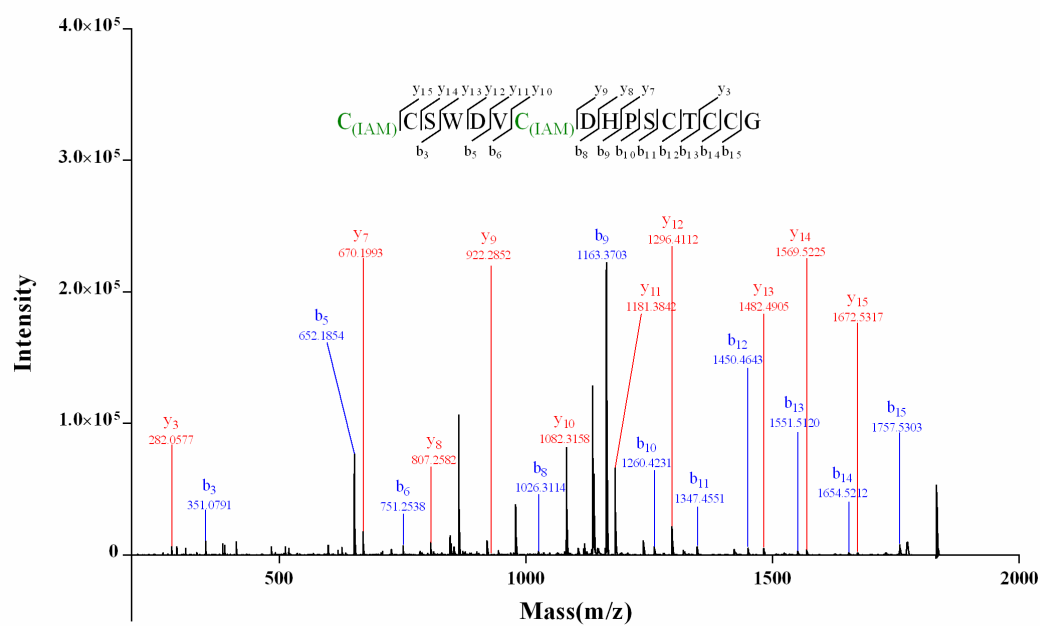


Figure S14. MALDI-TOF-MS/MS spectrum of product I of Tx3a.1.

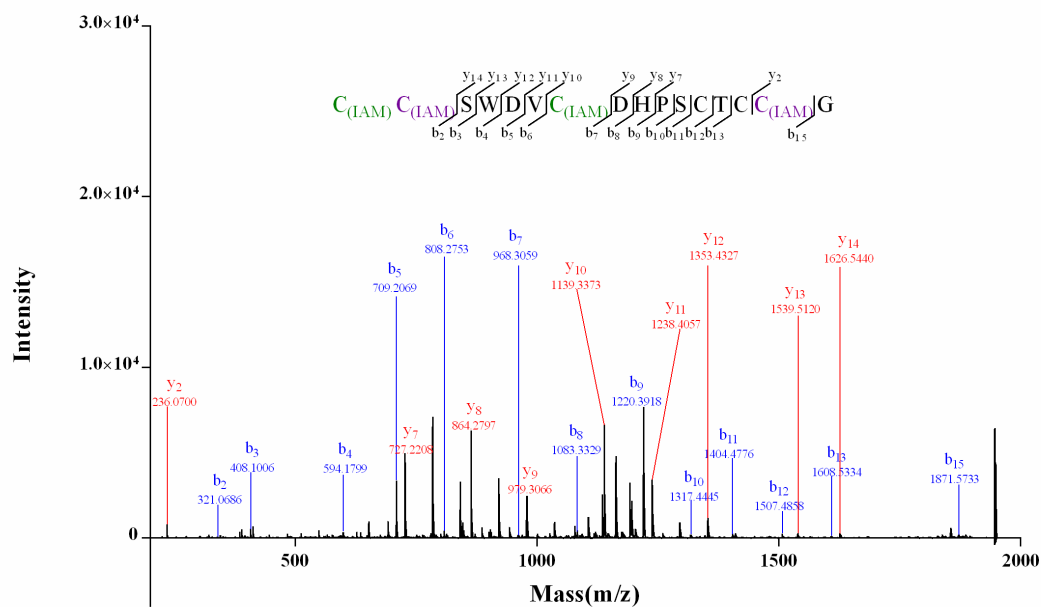


Figure S15. MALDI-TOF-MS/MS spectrum of product II of Tx3a.1.

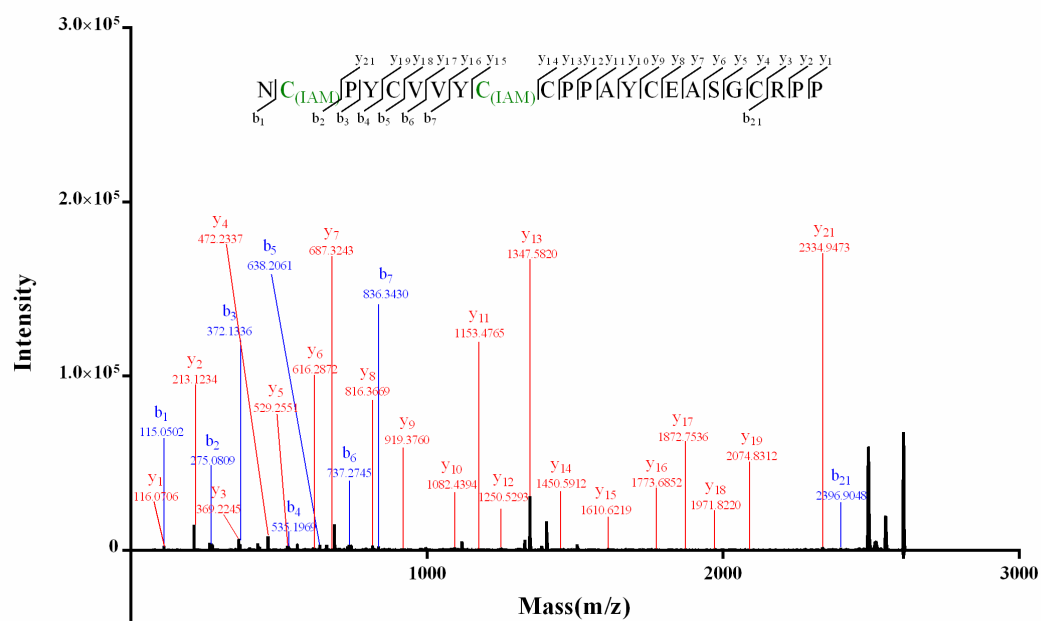
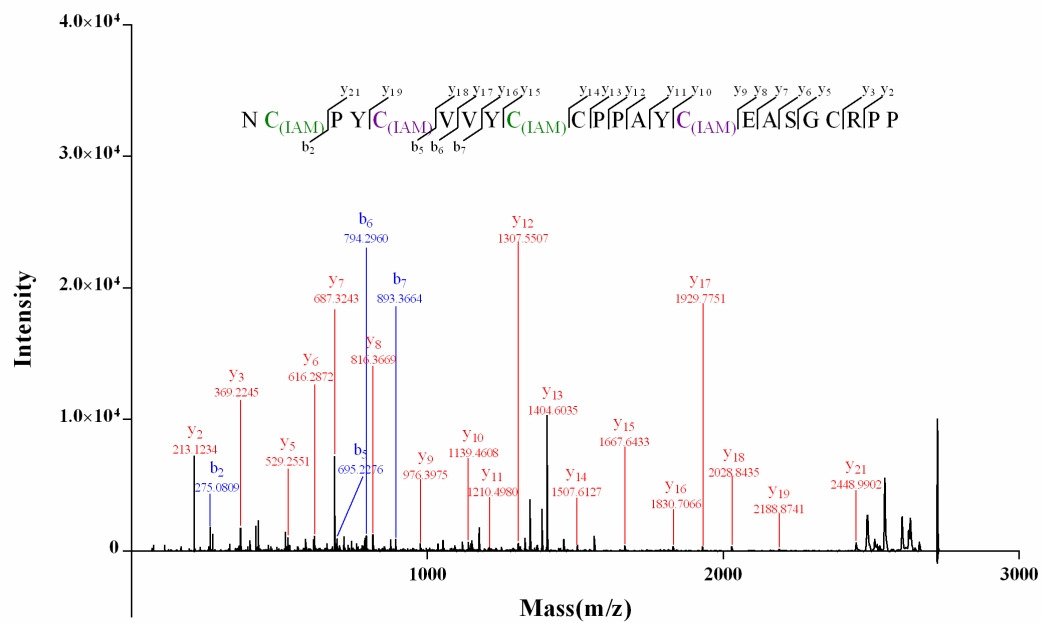


Figure S16. MALDI-TOF-MS/MS spectrum of product I of TCP.





**Figure S17.** MALDI-TOF-MS/MS spectrum of product II of TCP.