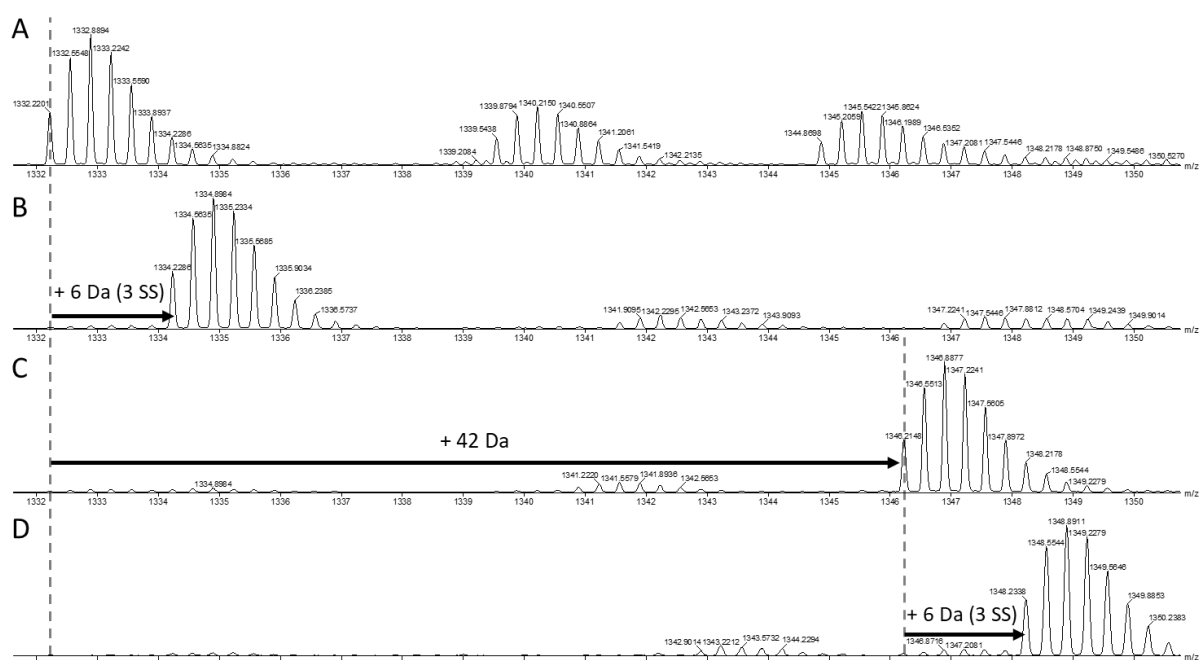
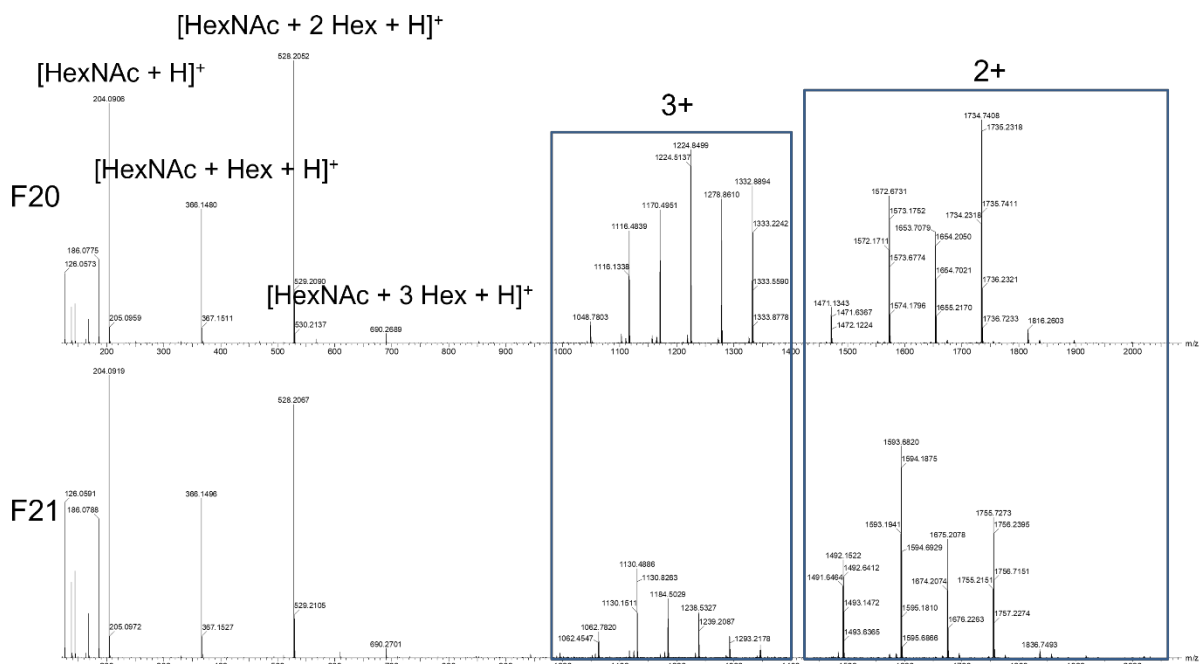
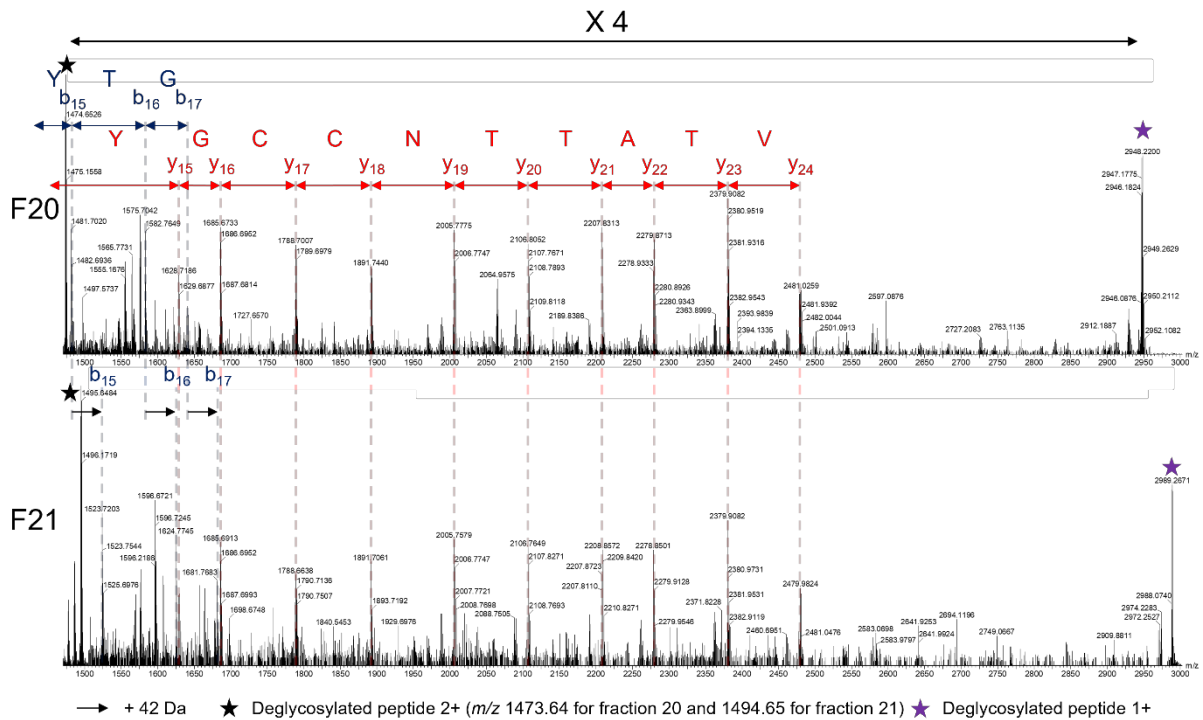
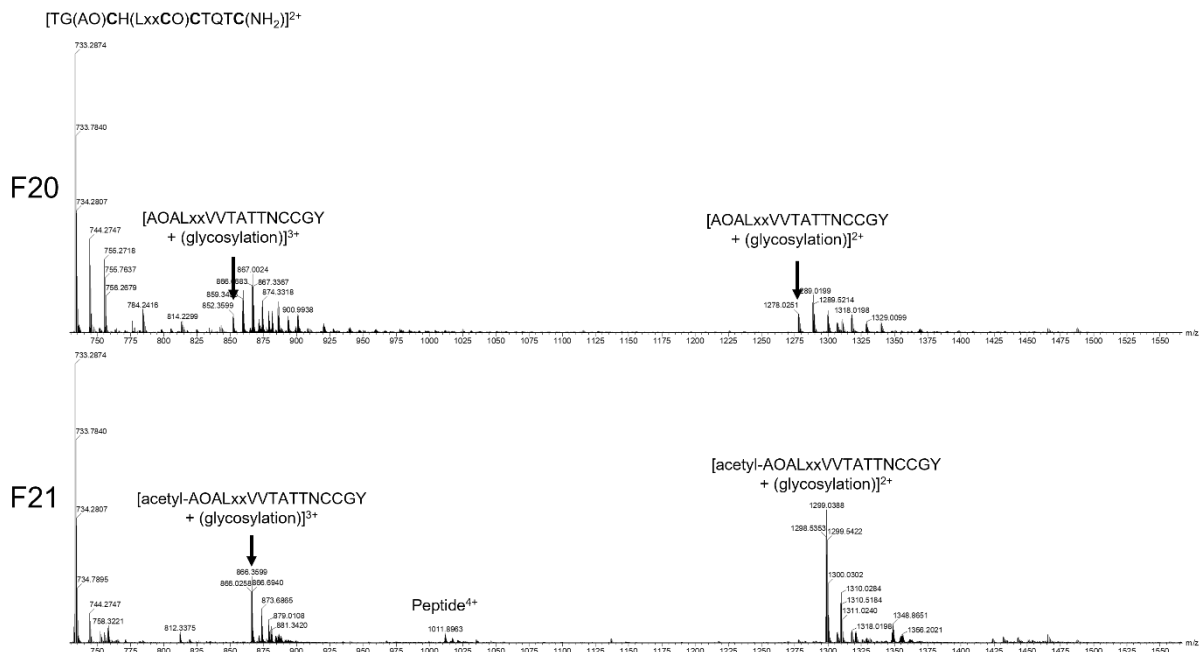


# Supplementary Materials: Proteomic Analysis of the Predatory Venom of *Conus striatus* Reveals Novel and Population-Specific $\kappa$ A-Conotoxin SIVC

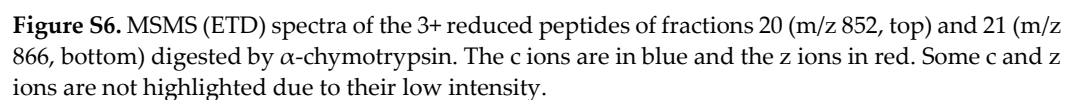
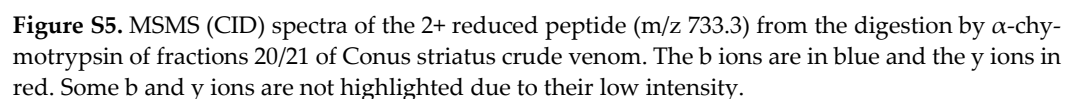




**Figure S3.** MSMS (CID) spectra of the 3+ reduced peptides from the fractions 20 ( $m/z$  1334, top) and 21 ( $m/z$  1348, bottom) of the *Conus striatus* crude venom. The b ions are in blue and the y ions in red. Some b and y ions are not highlighted due to their low intensity.



**Figure S4.** mass spectra of the fractions 20 (top) and 21 (bottom) of the *Conus striatus* crude venom digested 7 h by  $\alpha$ -chymotrypsin.



**Table S1.** m/z of the peptide ions and the different sugars losses for the fractions 20 and 21 from Mayotte. The shaded values are the observed ions in the MSMS spectra (Figure S1).

	F20			F21		
	[M+H] <sup>+</sup>	[M+2H] <sup>2+</sup>	[M+3H] <sup>3+</sup>	[M+H] <sup>+</sup>	[M+2H] <sup>2+</sup>	[M+3H] <sup>3+</sup>
Peptide	3994.6	1997.8	1332.2	4036.6	2018.8	1346.2
- Hex	3832.6	1916.8	1278.2	3874.6	1937.8	1292.2
- 2 Hex	3670.5	1835.8	1224.2	3712.5	1856.8	1238.2
- 3 Hex	3508.5	1754.7	1170.2	3550.5	1775.7	1184.2
- 4 Hex	3346.4	1673.7	1116.1	3388.4	1694.7	1130.1
- 4 Hex - HexNAc	3143.3	1572.2	1048.4	3185.3	1593.2	1062.4
- 4 Hex - 2 HexNAc	2940.2	1470.6	980.7	2982.2	1491.6	994.7
- Hex - HexNAc	3629.5	1815.2	1210.5	3671.5	1836.2	1224.5
- 2 Hex - HexNAc	3467.4	1734.2	1156.5	3509.4	1755.2	1170.5
- 3 Hex - HexNAc	3305.4	1653.2	1102.5	3347.4	1674.2	1116.5