

## Supplementary Material to “Proteomic analysis of Red Sea *Conus taeniatus* venom reveals potential biological applications”

**Additional file 3.** Estimation of the number of disulfide bridges included in each component in the *Conus taeniatus* venom.

MM native	MM alkylated*	Mass difference	No. of S-S bond	Difference from calculated value
618.22	734.28 (28.3)	116.06	1	0.002
944.26	1524.59 (37.2)	580.33	5	0.04
946.41	1062.46 (26.1)	116.05	1	-0.008
946.41	1526.56 (37.3)	580.15	5	-0.14
963.34	1079.39 (34.6)	116.05	1	-0.008
1001.28	1117.33 (34.7)	116.05	1	-0.008
1002.45	1118.5 (23.5)	116.05	1	-0.008
1050.37	1282.48 (20.5)	232.11	2	-0.006
1060.46	1524.59 (37.2)	464.13	4	-0.102
1235.46	1467.58 (28.3)	232.12	2	0.004
1236.45	1468.58 (29.8)	232.13	2	0.014
1270.49	1502.6 (37.2)	232.11	2	-0.006
1292.47	1524.59 (37.2)	232.12	2	0.004
1308.43	1540.54 (37.7)	232.11	2	-0.006
1586.63	1818.73 (39.4)	232.1	2	-0.016
1654.62	2234.74 (36.4)	580.12	5	-0.17
1674.58	2022.74 (24.3)	348.16	3	-0.014
1683.68	1915.78 (39.4)	232.1	2	-0.016
1775.6	2123.77 (33.0)	348.17	3	-0.004
1789.61	2137.8 (35.4)	348.19	3	0.016
1799.55	2147.71 (33.9)	348.16	3	-0.014
1805.61	2153.78 (35.4)	348.17	3	-0.004
1813.53	2161.71 (33.5)	348.18	3	0.006
1827.56	2175.72 (35.6)	348.16	3	-0.014
1862.61	2210.77 (36.3)	348.16	3	-0.014
1900.54	2248.72 (36.3)	348.18	3	0.006
2043.68	2159.76 (35.6)	116.08	1	0.022
2043.68	2391.84 (28.8)	348.16	3	-0.014
3058.01	3406.26 (31.4)	348.25	3	0.076
3058.01	3522.37 (26.4)	464.36	4	0.128
3074.1	3422.27 (30.3)	348.17	3	-0.004
3098.03	3446.22 (30.6)	348.19	3	0.016
3133.11	3713.32 (29.8)	580.21	5	-0.08
3174.22	3406.26 (31.4)	232.04	2	-0.076
3174.22	3522.37 (26.4)	348.15	3	-0.024
3294.3	3642.44 (29.2)	348.14	3	-0.034
3388.2	3504.13 (32.0)	115.93	1	-0.128
4161.67	4625.88 (32.4)	464.21	4	-0.022
4308.75	4772.96 (35.4)	464.21	4	-0.022
4545.8	5009.99 (27.5)	464.19	4	-0.042

\*Values in a parenthesis are HPLC retention time (min).