

Table S1: Tandem mass spectrometry analysis of the reversed-phase high-performance liquid chromatography fractions in *Crotalus adamanteus*.

Fraction	Protein name	Exclusive UPC	Exclusive USC	TSC	% TSC	Seq Coverage (%)
1a	None	–	–	–	–	–
1b	LAAO	26	35	122	27.92	27.7
	SVMPII-2b	12	17	68	15.56	16.2
	MYO-1a/b	4	5	44	10.07	58.3
	SVMPIII-5	14	17	32	7.32	30.8
	PLA <sub>2</sub> -1a	6	8	22	5.03	47.5
	PDE	4	9	21	4.81	6.0
	SVMPII-1b/d	6	8	21	4.81	15.6
	SVMPIII-2b	7	8	20	4.58	15.2
2	MYO-1b	3	4	586	100.00	52.1
3	SVMPIII-2b	10	15	816	100.00	18.3
4	SVMPIII-2b	11	18	1073	100.00	22.5
5	SVMPIII-2b	7	9	287	100.00	16.1
6	None	–	–	–	–	–
7	CRISP	14	18	1403	96.23	79.2
8	SVSP-5	5	5	579	80.64	30.8
	CRISP	3	3	139	19.36	17.6
9	None	–	–	–	–	–
10	PLA <sub>2</sub> -1a/b	3	3	4040	100.00	91.8
11	SVSP-2	2	2	146	86.39	25.7
	SVSP-5	1	1	23	13.61	17.5
12	SVSP-4	7	9	2335	98.77	59.0
13	SVSP-7	4	6	706	76.08	55.1
	SVSP-4	3	4	222	23.92	31.1
14	CTL-10	2	2	1270	68.02	69.2
	SVSP-4	3	3	385	20.62	38.5
	CTL-11a/b/c	3	3	136	7.28	52.3
15a	CTL-10	1	1	1198	42.02	58.1
	CTL-9	1	1	1118	39.21	61.3
	SVSP-4	3	3	325	11.40	38.5
15b	CTL-10	26	55	1420	27.63	100.0
	CTL-13f	26	66	1104	21.48	96.0
	SVSP-7	26	37	377	7.33	89.0
	LAAO	51	101	368	7.16	70.7
	SVSP-4	17	32	342	6.65	85.2
	CTL-11a/b	12	22	258	5.02	99.2

Fraction	Protein name	Exclusive UPC	Exclusive USC	TSC	% TSC	Seq Coverage (%)
16	LAAO	10	12	368	45.21	39.8
	SVSP-7	4	6	211	25.92	55.1
	SVSP-4	4	4	165	20.27	45.1
	CTL-11a/b/c	2	2	38	4.67	32.8
17	SVSP-4	4	4	392	49.68	45.1
	SVSP-7	2	2	205	25.98	42.9
	NUC	2	2	134	16.98	6.6
	HYAL	2	2	45	5.70	10.7
18	SVMPIII-4d/e	14	16	4627	98.01	29.9
19	SVMPIII-3	17	19	1707	80.86	43.6
	CTL-11a	4	4	271	12.84	63.3
20a	SVMPIII-2b	13	15	1553	62.65	35.9
	SVMPII-2c/d	1	2	446	17.99	30.8
	SVMPII-2b	1	4	433	17.47	30.8
20b	SVMPII-2b	48	91	648	17.38	52.8
	LAAO	80	138	472	12.66	87.6
	CTL-10	26	48	301	8.07	100.0
	CTL-11a/b	14	28	200	5.36	99.2
	SVMPIII-2b	31	63	185	4.96	46.9
	CTL-13f	26	54	177	4.75	100.0
	SVSP-4	16	33	168	4.51	96.3
	SVSP-4	16	33	168	4.51	96.3
20c	LAAO	78	145	691	17.24	76.7
	SVMPII-2b	36	62	377	9.40	42.1
	CTL-11a/b	16	26	282	7.03	99.2
	SVMPII-1b/d	21	36	270	6.73	43.3
	CTL-10	21	36	204	5.09	94.0
21	SVMPII-1a/b/c/d	14	17	3141	94.78	46.9

Table S1: Toxin identifications based on peptide spectral evidence of isolated peaks from reversed-phase high-performance liquid chromatography (RP-HPLC). Variable abbreviations: UPC = Unique Peptide Count; USC = Unique Spectrum Count; TSC = Total Spectrum Count. Toxin abbreviations: CTL, C-type lectin; CRISP, Cysteine-rich secretory protein; HYAL, Hyaluronidase; LAAO, L-amino-acid oxidase; MYO, Myotoxin; NUC, Nucleotidase; PDE, Phosphodiesterase; PLA<sub>2</sub>, Phospholipase A<sub>2</sub>; SVMPI, Snake venom metalloproteinase (types II and III); SVSP, Snake venom serine proteinase.