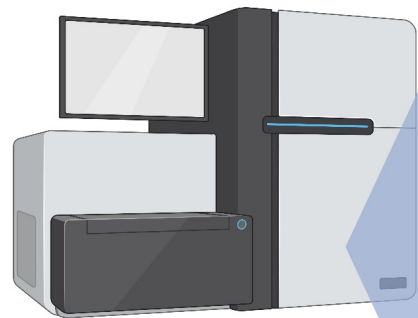


## Venom Proteomics Digest LC-MS/MS



@A01094:125:HY5M3DSXY:4:1101:26585:1000  
 1:N:0:CTGGCTGT+GACATGCC  
 NCCAGCCACAGTAGCAGCCGTAAGGCATAGA  
 AGGGAATAGCGTTTTTCCCGTCTCTTCTTGATCA  
 TCTTGTGAATTGCAGCAGGTTCCCTCGACGCCA  
 GCAGCAACACGGCCATTATCCAGAGAGTCTCATC  
 CTCCCGAACT  
 +  
 #FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFF  
 F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFF:  
 FFFFFFFFFFFFFFFF:FFFFFFF,;FFFFFFFFF,FFFFFFFFFFFFFFF  
 FFFFF:FFFFFFFFF

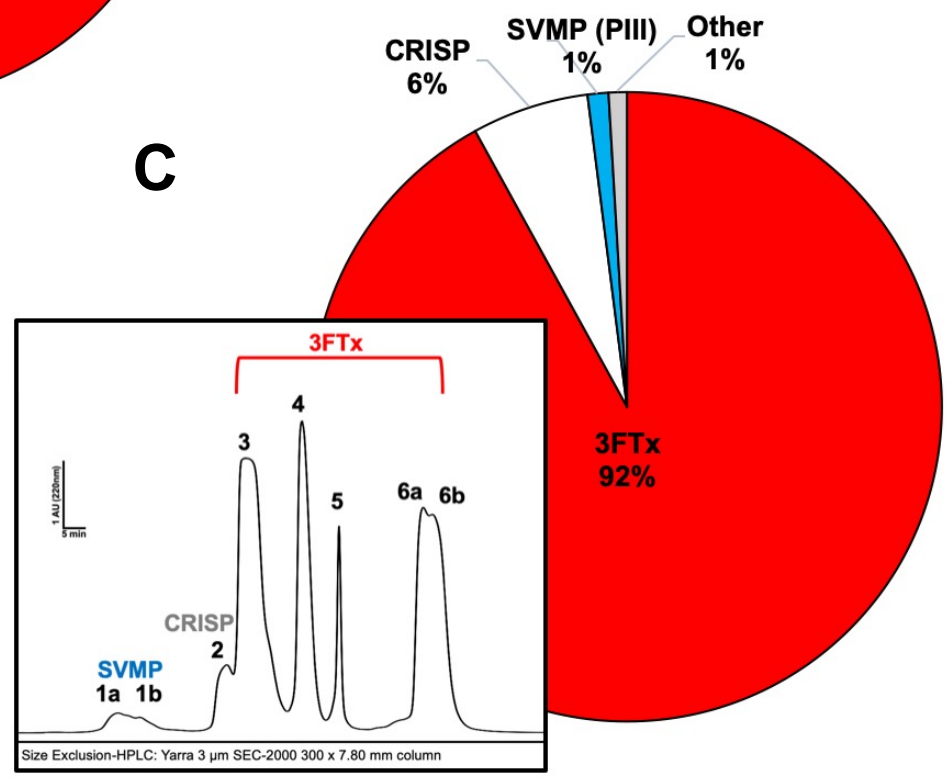
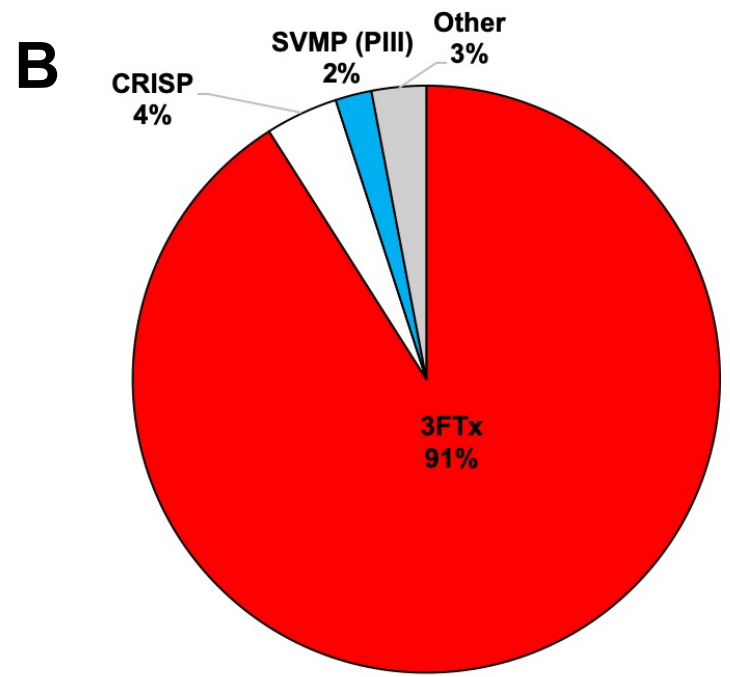
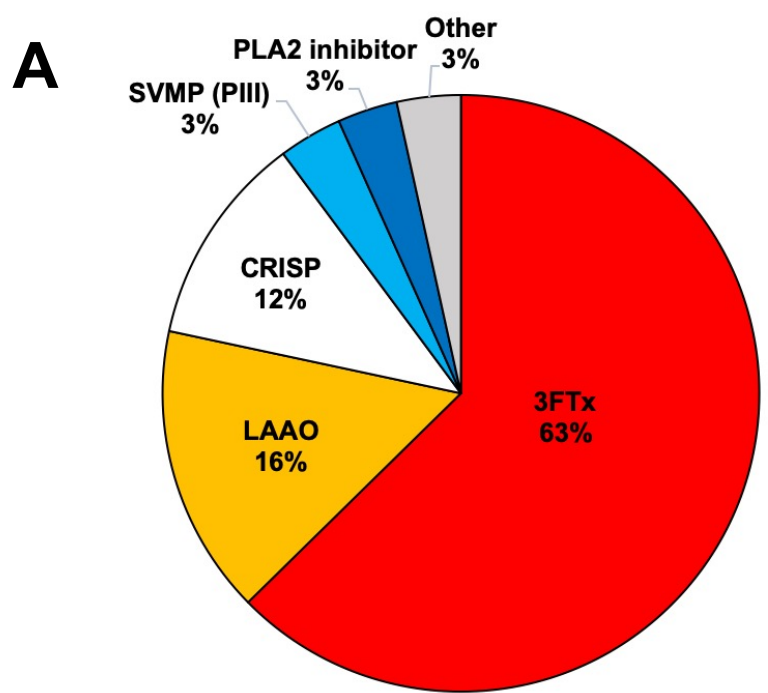
Index	Peptide	Exclusive To	Valid	3FTx9	3FTx6	Contig128	Contig59	3FTx5	3FTx4	3FTx3	3FTx1	3FTx10	No Group	Contig83	Contig89	Contig644
1	CCGRRDCNND					79%			79%							
2	CCYKPECNND		100%						(100%)			(100%)			(100%)	(100%)
3	CPSYHTMCYTLKPNENGAEWAVK	3FTx6			100%									(100%)		
4	CPSYHTMCYTLKPNENGAEWAVKGCAR	3FTx6			100%									(100%)		
5	CPSYHTMCYTLKPNENGAEWAVKGCAR	3FTx6			52%									(52%)		
6	CPTAGPNER		(100%)	100%	(100%)			(100%)			(100%)			(100%)		
7	CPTAGPNERVNCCR			100%							(100%)			(100%)		
8	CPTAGPNERVNCCRGR			70%							(70%)			(70%)		
9	CPWYHTTCYTLKPDACGEEWAVK										100%	(100%)				(100%)
10	CPWYHTTCYTLKPDACGEEWAVKGCAR	3FTx10														
11	CPWYHTTCYTLKPDACGEEWAVKGCAR	3FTx1									32%					
12	CPWYHTTCYTLKPDACGEEWAVKGCAR	3FTx1									100%					
13	CPYFHR		50%		(50%)			(50%)	(50%)						(50%)	
14	CPYFHRTCYLNSGGQWTVK		71%		(71%)			(71%)	(71%)						(71%)	
15	DCFNPKR	3FTx6			90%									(90%)		
16	DCFNPKRCPSYHTMCYTLKPNENGAEWAVK	3FTx6			100%									(100%)		
17	DCLNPKR		90%		(90%)			(90%)	(90%)						(90%)	
18	DCLNPKRCPYFHR		97%		(97%)			(97%)	(97%)						(97%)	
19	GCAKKCPTAGPNER		28%		(28%)			(28%)								
20	GCAKTCPTAGPYR															
21	GORDAIGPPYGLCEQDRK	3FTx10										44%				(44%)

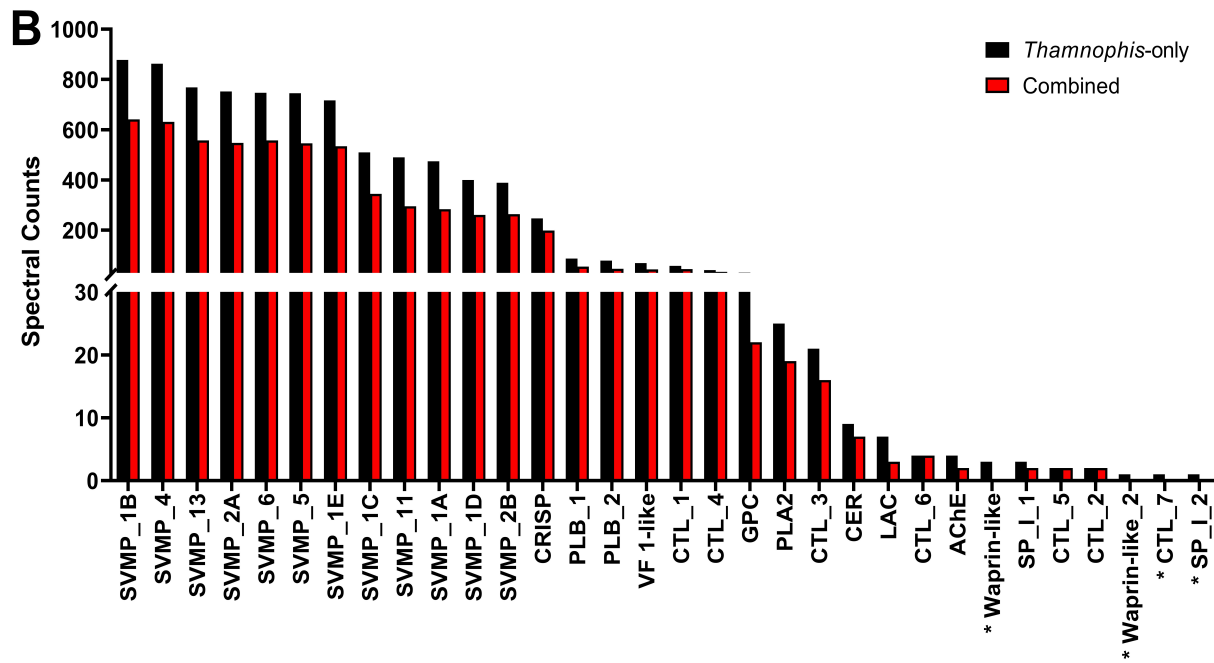
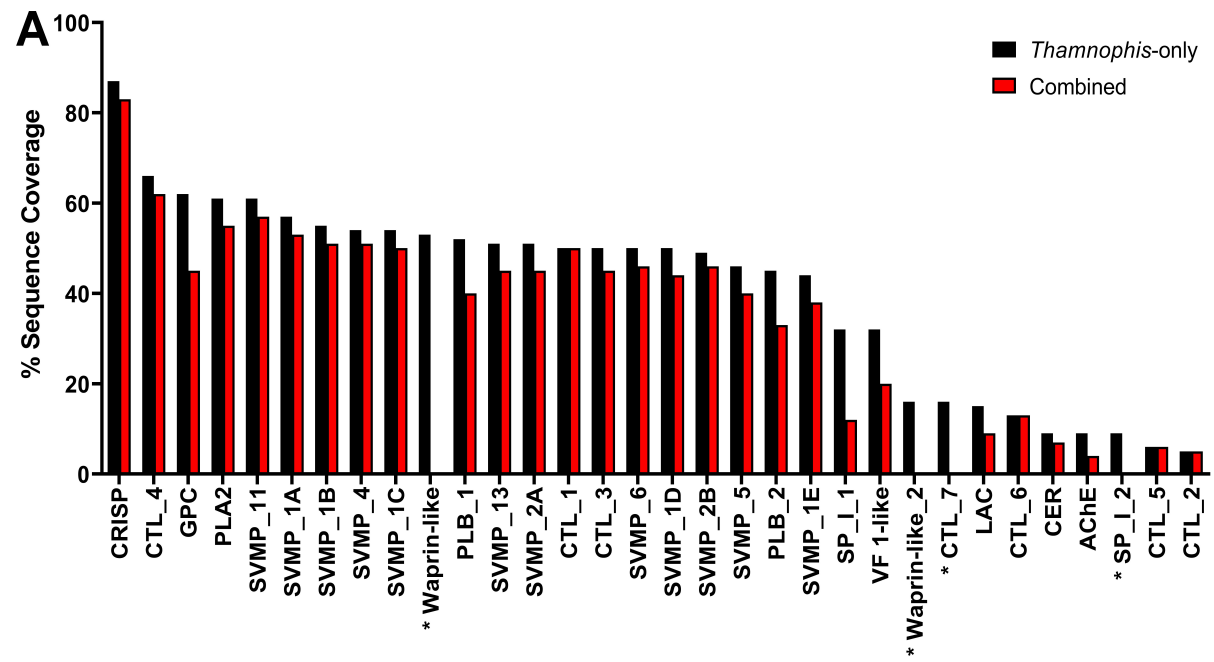
Sequence	Prob	SEQUE...	SEQUE...	NTT	Modifications	Observed	Actual Mass	Charge	Delta Da	Delta ...	Retent...	Intensity	TIC	Spectrum ID	Category
(?)CCGRRDCNND(?)	3%	0.22	0.00	2	Carbamidome...	635.23	1,268.44	2	-0.00...	-5.5	943	2240000	26210	09242015_SP...	SPM_D
(?)CCGRRDCNND(?)	78%	1.37	0.40	2	Carbamidome...	635.23	1,268.44	2	-0.00...	-1.00	1150	1560000	31920	09242015_SP...	SPM_D
(?)CCGRRDCNND(?)	78%	1.79	0.26	2	Carbamidome...	635.23	1,268.45	2	0.000...	0.73	1090	2340000	28280	09242015_SP...	SPM_D
(?)CCGRRDCNND(?)	28%	0.46	0.59	2	Carbamidome...	635.23	1,268.44	2	-0.00...	-7.0	890	2080000	26790	09242015_SP...	SPM_D
(?)CCGRRDCNND(?)	74%	1.50	0.21	2	Carbamidome...	635.23	1,268.44	2	-0.00...	-1.00	1090	2840000	27760	09242015_SP...	SPM_D

Venom gland transcriptomics  
 De novo assembly  
 Predicted protein translations

Fig. 1



**Fig. 2A-C**



**Fig. 3A&B**