

Supplementary Material to “A Kunitz-type peptide from *Dendroaspis polylepsis* venom as a simultaneous inhibitor of serine and cysteine proteases”

Additional file 2: Sequences found in Peaks analysis (Figure 3A) present in the DPSA8 peptide.

Peptide	-10lgP	Mass	Length	ppm	m/z	Z	RT	Accession	PTM
KQC(+57.02)EGFTWSGC(+57.02)GGNSNR	89.82	1943.8003	17	0.2	972.9077	2	18.08	sp P00979	Carbamidomethylation
KQC(+57.02)EGFTWSGC(+57.02)GGNSNR	54.88	1943.8003	17	0.4	648.9410	3	18.08	sp P00979	Carbamidomethylation
KKQC(+57.02)EGFTWSGC(+57.02)GGNSNR	86.50	2071.8953	18	0.8	1036.9557	2	17.60	sp P00979	Carbamidomethylation
KKQC(+57.02)EGFTWSGC(+57.02)GGNSNR	57.10	2071.8953	18	-0.5	691.6387	3	17.59	sp P00979	Carbamidomethylation
KKQC(+57.02)EGFTWSGC(+57.02)GGNSNR	19.87	2071.8953	18	-0.5	518.9808	4	17.63	sp P00979	Carbamidomethylation
QC(+57.02)EGFTWSGC(+57.02)GGNSNR	74.85	1815.7053	16	-0.3	908.8597	2	18.72	sp P00979	Carbamidomethylation
QC(+57.02)EGFTWSGC(+57.02)GGNSNR	20.73	1815.7053	16	0.2	908.8601	2	19.54	sp P00979	Carbamidomethylation
KQC(+57.02)EGFTWSGC(+57.02)GGNSNRFK	68.73	2218.9636	19	-0.2	1110.4889	2	18.25	sp P00979	Carbamidomethylation
KQC(+57.02)EGFTWSGC(+57.02)GGNSNRFK	53.69	2218.9636	19	-0.3	740.6616	3	18.23	sp P00979	Carbamidomethylation
KQC(+57.02)EGFTWSGC(+57.02)GGNSNRFK	16.82	2218.9636	19	-0.1	555.7481	4	18.24	sp P00979	Carbamidomethylation
QC(+57.02)EGFTWSGC(+57.02)GGNSNRFK	67.03	2090.8687	18	-0.1	1046.4415	2	18.86	sp P00979	Carbamidomethylation
C(+57.02)YQKIPAFYYNQK	66.88	1721.8235	13	0.4	861.9194	2	18.86	sp P00979	Carbamidomethylation
C(+57.02)YQKIPAFYYNQK	62.17	1721.8235	13	0.3	574.9486	3	18.88	sp P00979	Carbamidomethylation
C(+57.02)YQKIPAFYYNQK	38.79	1721.8235	13	-0.2	574.9483	3	19.15	sp P00979	Carbamidomethylation
IPAFYYNQKK	63.70	1270.6709	10	0.1	636.3428	2	18.36	sp P00979	
IPAFYYNQKK	18.02	1270.6709	10	0.8	424.5646	3	18.54	sp P00979	
IPAFYYNQK	61.01	1142.5760	9	1.6	572.2962	2	19.07	sp P00979	
IPAFYYNQK	56.09	1142.5760	9	-0.7	572.2949	2	19.60	sp P00979	
IPAFYYNQK	54.25	1142.5760	9	0.0	572.2953	2	19.33	sp P00979	
IPAFYYNQK	51.00	1142.5760	9	-1.9	572.2942	2	19.86	sp P00979	
IPAFYYNQK	44.16	1142.5760	9	0.6	572.2957	2	20.43	sp P00979	
C(+57.02)YQKIPAFYYNQKK	52.59	1849.9185	14	-0.1	617.6467	3	18.32	sp P00979	Carbamidomethylation

Peptide	-10lgP	Mass	Length	ppm	m/z	Z	RT	Accession	PTM
C(+57.02)YQKIPAFYNNQKK	49.29	1849.9185	14	-0.1	925.9664	2	18.34	sp P00979	Carbamidomethylation
TWSGC(+57.02)GGNSNRFK	49.26	1469.6470	13	-0.5	735.8304	2	17.10	sp P00979	Carbamidomethylation
KKQC(+57.02)EGFTWSGC(+57.02)GGN	47.31	1714.7191	15	-0.7	858.3663	2	18.33	sp P00979	Carbamidomethylation
SGC(+57.02)GGNSNRFK	46.66	1182.5200	11	-1.1	592.2667	2	15.15	sp P00979	Carbamidomethylation
SGC(+57.02)GGNSNRFK	38.33	1182.5200	11	-0.2	592.2672	2	15.40	sp P00979	Carbamidomethylation
TWSGC(+57.02)GGNSNR	41.60	1194.4836	11	-0.4	598.2488	2	16.23	sp P00979	Carbamidomethylation
C(+57.02)YQKIPAFYNN	39.03	1465.6700	11	-0.8	733.8417	2	19.64	sp P00979	Carbamidomethylation
C(+57.02)YQKIPAFY	38.46	1188.5637	9	-0.2	595.2890	2	19.66	sp P00979	Carbamidomethylation
C(+57.02)YQKIPAFYY	37.43	1351.6271	10	-1.6	676.8197	2	19.94	sp P00979	Carbamidomethylation
KKQC(+57.02)EGFTW	35.31	1182.5492	9	0.0	592.2819	2	19.14	sp P00979	Carbamidomethylation
KKQC(+57.02)EGFTW	28.37	1182.5492	9	-0.7	592.2814	2	19.40	sp P00979	Carbamidomethylation
KLC(+57.02)ILHR	34.86	938.5484	7	-0.9	470.2810	2	17.24	sp P00979	Carbamidomethylation
KLC(+57.02)ILHR	29.93	938.5484	7	0.2	470.2816	2	17.50	sp P00979	Carbamidomethylation
KLC(+57.02)ILHR	20.23	938.5484	7	0.2	313.8568	3	17.26	sp P00979	Carbamidomethylation
FKTIEEC(+57.02)R	34.66	1081.5226	8	0.2	361.5149	3	16.92	sp P00979	Carbamidomethylation
FKTIEEC(+57.02)R	31.42	1081.5226	8	-0.7	541.7682	2	16.92	sp P00979	Carbamidomethylation
C(+57.02)YQKIPAF	33.91	1025.5004	8	-1.2	513.7568	2	19.48	sp P00979	Carbamidomethylation
QKIPAFYNNQK	33.56	1398.7295	11	0.0	700.3720	2	18.52	sp P00979	
QKIPAFYNNQK	23.74	1398.7295	11	-0.1	467.2504	3	18.63	sp P00979	
KQC(+57.02)EGFTW	33.33	1054.4542	8	-1.4	528.2336	2	19.68	sp P00979	Carbamidomethylation
KKQC(+57.02)EGF	29.42	895.4222	7	0.0	448.7184	2	16.05	sp P00979	Carbamidomethylation
TIEEC(+57.02)R	29.06	806.3593	6	0.0	404.1869	2	15.74	sp P00979	Carbamidomethylation
LC(+57.02)ILHR	27.95	810.4534	6	0.2	406.2341	2	17.89	sp P00979	Carbamidomethylation
LC(+57.02)ILHR	18.12	810.4534	6	0.3	271.1585	3	17.90	sp P00979	Carbamidomethylation
FKTIEEC(+57.02)RR	27.41	1237.6237	9	-0.5	619.8188	2	16.31	sp P00979	Carbamidomethylation
FKTIEEC(+57.02)RR	21.75	1237.6237	9	0.5	619.8194	2	16.57	sp P00979	Carbamidomethylation
TIEEC(+57.02)RR	21.17	962.4603	7	0.3	482.2376	2	15.65	sp P00979	Carbamidomethylation
TIEEC(+57.02)RR	19.08	962.4603	7	0.0	482.2374	2	15.93	sp P00979	Carbamidomethylation
RTC(+57.02)IR	20.91	704.3752	5	0.5	353.1950	2	14.37	sp P00979	Carbamidomethylation
TC(+57.02)IRK	18.76	676.3690	5	0.5	339.1920	2	14.09	sp P00979	Carbamidomethylation

Peptide	-10lgP	Mass	Length	ppm	m/z	Z	RT	Accession	PTM
TC(+57.02)IRK	18.29	676.3690	5	0.5	339.1920	2	13.54	sp P00979	Carbamidomethylation
TC(+57.02)IRK	17.57	676.3690	5	0.3	339.1919	2	14.36	sp P00979	Carbamidomethylation
TC(+57.02)IRK	16.49	676.3690	5	0.3	339.1919	2	13.82	sp P00979	Carbamidomethylation
KQC(+57.02)EGF	18.64	767.3272	6	0.0	384.6709	2	17.06	sp P00979	Carbamidomethylation
C(+57.02)YQKIPA	15.81	878.4320	7	0.0	440.2233	2	17.27	sp P00979	Carbamidomethylation
QC(+57.02)EGFTW	15.19	926.3593	7	-0.3	464.1868	2	20.37	sp P00979	Carbamidomethylation

-10logP = peptide score; RT = Retention time; m/z = mass/charge; Z = charge; PTM = Post-translational modification