

Peptide Array, Dengue Virus Type 2, New Guinea C (NGC), NS3 Protein

Catalog No. NR-509

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Product Description: The 83-peptide array spans the NS3 protein of Dengue virus type 2, New Guinea C (GenPept: AAA42941). Peptides are 13- to 19-mers, with 10 amino acid overlaps.

Lot: 3898690

The following information applies to all peptides:

- Appearance White lyophilized powder
- Mass spectral analysis Electrospray "Exhibits correct MW"
- Counter Ion Ammonium Acetate (Peptides 12, 38, 42, 46, 54, 67 and 69)
Trifluoroacetate (all other Peptides)

Peptide-specific information is shown in the two tables below.

Table 1						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
1	12/13/2004	18	AGVLWDVSPPPVVGKAEEL	1832.1	93.1%	83.3%
2	12/13/2004	18	SPPVVGKAELEDGAYRIK	1927.2	96.8%	79.8%
3	12/13/2004	17	ELEDGAYRIKQKGLGY	1953.2	99.1%	75.2%
4	12/2/2004	18	RIKQKGLGYSQIGAGVY	1951.3	96.3%	73.3%
5	12/2/2004	18	GYSQIGAGVYKEGTFHTM	1946.1	96.2%	83.8%
6	12/9/2004	18	VYKEGTFHTMWHVTRGAV	2119.4	96.4%	78.6%
7	12/9/2004	18	TMWHVTRGAVLMHKGKRI	2121.6	100.0%	85.7%
8	12/8/2004	18	AVLMHKGKRIEPSWADVK	2065.8	98.9%	72.6%
9	12/2/2004	16	RIEPSWADVKKDLISY	1920.2	96.1%	76.9%
10	12/15/2004	16	ADVKKDLISYGGGWKL	1750.0	96.4%	75.7%
11	12/14/2004	15	LISYGGGWKLEGEWK	1722.9	91.6%	76.5%
12	12/15/2004	18	GGWKLEGEWKEGEEVQVL	2073.3	92.9%	88.1%
13	12/14/2004	16	WKEGEEVQVLALPGK	1812.1	96.3%	82.7%
14	12/15/2004	18	VQVLALPGKNPRAVQTK	1949.3	92.7%	72.1%
15	12/14/2004	18	GKNPRAVQTKPGLFKTNA	1927.2	96.4%	68.4%
16	12/9/2004	18	TKPGLFKTNAGTIGAVSL	1775.1	98.8%	76.3%
17	12/20/2004	18	NAGTIGAVSLDFSPGTS	1650.7	73.6%	86.3%
18	12/14/2004	17	SLDFSPGTSGPSIIDKK	1748.9	91.5%	84.1%
19	12/13/2004	17	TSGPSIIDKKGKVVGLY	1762.1	97.8%	73.6%
20	12/14/2004	17	DKKGVVGLYGNVTR	1790.1	92.9%	74.4%

Table 1 (continued)						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
21	12/15/2004	18	GLYGNGVVTRSGAYVSAI	1784.0	91.2%	78.7%
22	12/28/2004	17	TRSGAYVSAIAQTEKSI	1782.0	92.5%	67.3%
23	12/22/2004	16	SAIAQTEKSIEDNPEI	1744.9	95.8%	79.1%
24	12/15/2004	18	EKSIEDNPEIEDDIFRKR	2233.4	96.7%	72.8%
25	12/14/2004	18	EIEDDIFRKRKLTIMDLH	2272.7	91.3%	77.5%
26	12/15/2004	18	KRKLTIMDLHPGAGKTKR	2050.5	91.6%	64.0%
27	12/15/2004	17	LHPGAGKTKRYLPAIVR	1877.3	95.4%	66.5%
28	12/16/2004	18	TKRYLPAIVREAIKRGLR	2140.6	95.6%	67.7%
29	12/17/2004	18	VREAIKRGLRTLILAPTR	2063.1	92.7%	68.9%
30	12/22/2004	16	LRTLILAPTRVVAEM	1754.2	91.4%	80.9%
31	1/4/2005	17	APTRVVAEMEEALRGL	1813.1	92.6%	69.6%
32	12/15/2004	18	AEMEEALRGLPIRYQTPA	2045.3	91.5%	70.9%
33	12/20/2004	18	GLPIRYQTPAIRAEHTGR	2036.3	96.0%	75.5%
34	12/20/2004	18	PAIRAEHTGREIVLMCH	2048.4	93.3%	69.0%
35	1/5/2005	18	GREIVLMCHATFTMRL	2106.6	85.5%	69.7%
36	12/15/2004	18	CHATFTMRLSPVRVPNY	2105.5	91.0%	70.8%
37	12/8/2004	18	LLSPVRVPNYNLIIMDEA	2057.4	94.3%	79.8%
38	12/22/2004	18	NYNLIIMDEAHFTDPASI	2064.3	90.7%	74.1%
39	12/15/2004	16	EAHFTDPASIAARGYI	1718.9	96.4%	82.2%
40	1/4/2005	16	PASIAARGYISTRVEM	1722.0	90.4%	72.9%
41	1/5/2005	18	RGYISTRVEMGEAAGIFM	1988.3	90.8%	65.5%
42	12/16/2004	18	EMGEAAGIFMTATPPGSR	1823.1	98.0%	84.8%
43	12/28/2004	18	FMTATPPGSRDPPQSN	1921.1	91.2%	89.0%
44	12/20/2004	17	SRDPPQSNAPIMDEER	1989.2	91.2%	79.2%
45	12/17/2004	17	SNAPIMDEEREIPERSW	2059.2	96.3%	82.7%
46	12/15/2004	17	EEREIPERSWSGHEWV	2113.3	93.9%	78.1%
47	12/16/2004	18	RSWSGHEWVDFKGT	2107.3	94.4%	76.8%
48	12/22/2004	18	WVDFKGTWVFPVSIKA	2109.5	98.7%	80.1%
49	12/22/2004	18	TVWFVPSIKAGNDIAACL	1905.2	91.1%	86.5%
50	12/22/2004	18	KAGNDIAACLKNGKVI	1899.3	97.5%	65.7%
51	1/4/2005	17	CLRKNGKVIQLSRKTF	2019.5	93.3%	71.3%
52	12/17/2004	18	KVIQLSRKTFDSEYVKTR	2198.6	90.3%	69.9%
53	1/6/2005	18	TFDSEYVKTRTNDWDFV	2222.4	97.9%	74.3%
54	12/22/044	17	TRTNDWDFVTTDISEM	2030.2	85.2%	81.9%
55	1/6/2005	18	FVTTDISEMGANFKAER	2015.4	75.9%	74.6%
56	12/28/2004	18	EMGANFKAERVIDPRRCM	2123.5	96.5%	79.4%
57	12/22/2004	15	ERVIDPRRCMKPVIL	1825.3	97.1%	77.7%
58	12/16/2004	18	PRRCMKPVILTDGEERVI	2112.5	85.5%	71.3%
59	1/6/2005	17	ILTDGEERVILAGPMPV	1810.1	97.5%	79.9%
60	12/22/2004	18	RVILAGPMPVTHSSAAQR	1891.2	92.5%	75.2%
61	12/28/2004	16	PVTHSSAAQRRGRIGR	1749.0	90.3%	71.8%
62	12/28/2004	19	AAQRRGRIGRNPKNENDQY	2243.4	93.7%	65.2%
63	1/6/2005	17	RNPKNENDQYIYMGEPL	2081.3	94.2%	85.8%
64	1/6/2005	18	DQYIYMGEPLENDECAH	2142.6	98.0%	83.1%
65	12/22/2004	18	PLENDECAHWKEAKMLL	2142.4	96.6%	68.5%

Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
66	1/6/2005	19	AHWKEAKMLLDNINTPEGI	2180.2	96.6%	78.8%
67	12/22/2004	15	LDNINTPEGIIPSMF	1660.9	98.9%	86.6%
68	12/28/2004	17	TPEGIIPSMFEPEREKV	1959.3	96.5%	76.2%
69	1/4/2005	18	SMFEPEREKVDAIDGEYR	2171.4	93.6%	88.3%
70	1/4/2005	17	KVDAIDGEYRLRGEARK	1976.2	95.7%	73.2%
71	1/6/2005	18	EYRLRGEARKTFVDLMRR	2296.7	91.1%	71.9%
72	1/12/2005	18	RKTFVDLMRRGDLPVWLA	2173.6	96.8%	69.2%
73	1/11/2005	18	RRGDLPVWLAYRVAEAGI	2042.4	99.6%	76.2%
74	12/28/2004	17	LAYRVAEAGINYADRRW	2024.3	55.8%	66.8%
75	1/10/2005	16	EGINYADRRWCFDGIK	1943.2	96.8%	73.5%
76	12/22/2004	15	DRRWCFDGIKNNQIL	1878.1	96.8%	73.7%
77	1/11/2005	18	FDGIKNNQILEENVEVEI	2103.3	78.3%	68.8%
78	12/28/2004	18	ILEENVEVEIWTKEGERK	2201.5	91.7%	73.6%
79	1/11/2005	17	EIWTKEGERKKLKPRWL	2197.6	97.3%	82.2%
80	1/4/2005	15	ERKKLKPRWLDAKIY	1944.4	99.3%	65.5%
81	1/11/2005	17	KPRWLDAKIYSDPLALK	2014.4	95.1%	82.1%
82	1/11/2005	17	KIYSDPLALKEFKEFAA	1970.3	98.5%	85.5%
83	1/11/2005	13	ALKEFKEFAAGRK	1494.8	97.3%	67.3%

^a% full-length
^bRemainder is salt and water

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)	
1	Expected	2.00		1.00		1.00	2.00			2.00	1.00			4.00	1.00		1.00		3.00	
	Actual	2.00		0.99		1.05	1.96			1.95	0.96			4.27	0.83		0.00 ^a		2.92	
2	Expected	2.00	1.00	1.00		2.00	2.00		1.00	1.00	2.00			3.00	1.00				1.00	1.00
	Actual	2.00	0.97	1.00		1.98	1.94		0.95	0.99	1.94			3.22	0.75				0.85	0.97
3	Expected	1.00	1.00	1.00		3.00	3.00		2.00	2.00	2.00								2.00	
	Actual	1.00	1.00	1.01		2.83	3.06		1.97	2.00	2.00								1.93	
4	Expected	1.00	1.00			2.00	4.00		3.00	1.00	2.00				1.00				2.00	1.00
	Actual	0.97	0.94			1.90	4.00		2.84	0.98	1.93				0.79				1.93	0.95
5	Expected	1.00				2.00	4.00	1.00	1.00		1.00	1.00	1.00		1.00	2.00			2.00	1.00
	Actual	1.00				1.87	3.93	0.97	0.94		0.95	0.75	0.96		0.83	1.74			1.88	0.93
6	Expected	1.00	1.00			1.00	2.00	2.00			1.00	1.00	1.00			3.00	1.00	1.00	3.00	
	Actual	1.00	0.85			0.93	1.94	1.92			0.93	0.91	0.94			2.71	0.00 ^a	0.89	2.74	
7	Expected	1.00	2.00				2.00	2.00	1.00	1.00	2.00	2.00				2.00	1.00		2.00	
	Actual	1.00	1.78				1.89	1.92	0.91	0.96	1.85	1.89				1.77	0.00 ^a		1.83	
8	Expected	2.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	3.00	1.00		1.00	1.00			1.00		2.00
	Actual	2.08	0.94	1.00		1.00	1.00	1.01	0.97	1.02	2.95	0.92		1.04	0.83			0.00 ^a		1.99
9	Expected	1.00	1.00	2.00		1.00			2.00	1.00	2.00			1.00	2.00			1.00	1.00	1.00
	Actual	1.00	0.86	1.94		0.99			1.90	1.01	1.91			1.07	1.60			0.00 ^a	0.96	0.94
10	Expected	1.00		2.00			3.00		1.00	2.00	3.00				1.00			1.00	1.00	1.00
	Actual	1.00		1.95			2.93		0.95	1.98	2.85				0.80			0.00 ^a	0.95	0.94

Table 2 - Amino Acid Analysis (continued)

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
11	Expected					2.00	4.00		1.00	2.00	2.00				1.00		2.00	1.00	
	Actual					1.91	4.00		0.94	2.01	2.00				0.68		0.00 ^a	0.94	
12	Expected					6.00	4.00			2.00	2.00						2.00		2.00
	Actual					5.66	4.00			2.01	1.97						0.00 ^a		2.00
13	Expected	1.00				5.00	2.00			2.00	2.00			1.00			1.00		2.00
	Actual	1.02				4.74	2.00			2.02	1.97			0.91			0.00 ^a		2.00
14	Expected	2.00	1.00	1.00		3.00	1.00			2.00	2.00			2.00		1.00			3.00
	Actual	2.00	1.01	1.01		2.94	0.99			2.02	2.02			2.08		0.97			3.00
15	Expected	2.00	1.00	2.00		1.00	2.00			1.00	3.00		1.00	2.00		2.00			1.00
	Actual	1.95	1.00	1.89		1.02	2.00			1.02	3.01		1.00	2.23		1.84			1.01
16	Expected	2.00		1.00			3.00		1.00	2.00	2.00		1.00	1.00		1.00	3.00		1.00
	Actual	2.00		0.98			2.92		0.96	1.93	1.95		0.96	0.99		0.83	2.59		0.98
17	Expected	2.00		2.00			4.00		1.00	1.00			1.00	1.00	3.00	2.00			1.00
	Actual	2.00		2.11			4.04		0.99	1.05			1.04	1.22	2.61	1.75			1.06
18	Expected			2.00			2.00		2.00	1.00	2.00		1.00	2.00	4.00	1.00			
	Actual			1.90			2.00		1.50 ^b	0.99	1.82		0.97	1.94	2.99	0.81			
19	Expected			1.00			3.00		2.00	1.00	3.00			1.00	2.00	1.00		1.00	2.00
	Actual			0.98			3.00		1.42 ^b	0.99	2.89			0.97	1.60	0.85		0.90	1.67 ^b
20	Expected		1.00	2.00			4.00			1.00	3.00					1.00		1.00	4.00
	Actual		0.95	1.96			4.00			1.04	3.04					0.87		1.01	3.34 ^b
21	Expected	2.00	1.00	1.00			4.00		1.00	1.00					2.00	1.00		2.00	3.00
	Actual	2.06	1.02	1.00			4.00		1.02	0.99					1.65	0.85		1.91	2.74
22	Expected	3.00	1.00			2.00	1.00		2.00		1.00				3.00	2.00		1.00	1.00
	Actual	3.00	0.99			1.98	0.96		2.00		1.00				2.57	1.77		0.97	0.98
23	Expected	2.00		2.00			4.00		3.00		1.00			1.00	2.00	1.00			
	Actual	2.00		2.20			4.20		3.16		1.04			0.99	1.74	0.94			
24	Expected		2.00	4.00			4.00		3.00		2.00		1.00	1.00	1.00				
	Actual		2.04	4.10			3.97		2.98		2.00		0.98	0.89	0.83				
25	Expected		2.00	3.00		2.00		1.00	3.00	2.00	2.00	1.00	1.00			1.00			
	Actual		1.89	3.09		1.87		1.19	2.70	2.30	2.00	1.06	1.07			1.02			
26	Expected	1.00	2.00	1.00			2.00	1.00	1.00	2.00	4.00	1.00		1.00		2.00			
	Actual	1.00	1.99	1.00			2.06	1.04	0.98	2.03	3.94	0.88		0.99		1.80			
27	Expected	2.00	2.00				2.00	1.00	1.00	2.00	2.00			2.00		1.00		1.00	1.00
	Actual	2.00	2.16				1.92	0.96	0.73 ^b	1.97	1.95			2.05		0.92		0.94	0.74 ^b
28	Expected	2.00	4.00			1.00	1.00		2.00	2.00	2.00			1.00		1.00		1.00	1.00
	Actual	2.00	4.04			1.00	0.99		1.67 ^b	2.04	1.95			1.09		0.94		0.95	0.70 ^b
29	Expected	2.00	4.00			1.00	1.00		2.00	3.00	1.00			1.00		2.00			1.00
	Actual	2.00	3.95			0.96	0.99		1.92	3.08	0.94			1.14		1.89			0.93
30	Expected	3.00	2.00			1.00			1.00	3.00		1.00		1.00		2.00			2.00
	Actual	3.00	2.01			1.00			0.98	3.05		0.92		1.09		1.90			1.57 ^b
31	Expected	4.00	2.00			3.00	1.00			2.00		1.00		1.00		1.00			2.00
	Actual	4.00	2.02			2.98	0.99			2.07		0.97		0.92		0.96			1.69
32	Expected	3.00	2.00			4.00	1.00		1.00	2.00		1.00		2.00		1.00		1.00	
	Actual	3.00	2.04			3.92	1.02		0.99	2.10		0.94		2.04		0.90		0.98	
33	Expected	2.00	3.00			2.00	2.00	1.00	2.00	1.00				2.00		2.00		1.00	
	Actual	2.00	2.87			1.91	1.96	0.97	1.80	1.04				2.29		1.76		0.99	

Table 2 - Amino Acid Analysis (continued)

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
34	Expected	2.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00		1.00		1.00		1.00			1.00
	Actual	2.00	2.06	1.10	0.00 ^a	2.11	1.03	2.13	1.62 ^b	1.15		1.00		1.04		0.99			0.72 ^b
35	Expected	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00		2.00	1.00			2.00			1.00
	Actual	1.00	1.96	0.99	0.00 ^a	0.94	0.98	1.00	0.70 ^b	3.11		1.76	1.00			1.81			0.72 ^b
36	Expected	1.00	2.00	1.00	1.00			1.00		2.00		1.00	1.00	2.00	1.00	2.00		1.00	2.00
	Actual	1.00	2.05	1.03	0.00 ^a			1.02		2.09		0.94	1.01	2.16	0.86	1.82		1.00	2.04
37	Expected	1.00	1.00	3.00		1.00			2.00	3.00		1.00		2.00	1.00			1.00	2.00
	Actual	0.91	0.95	2.96		0.97			1.43 ^b	3.00		0.86		2.11	0.81			0.94	1.95
38	Expected	2.00		4.00		1.00		1.00	3.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	
	Actual	2.00		4.15		1.05		1.01	2.47 ^b	1.06		1.02	1.03	1.12	0.89	0.96		1.01	
39	Expected	4.00	1.00	1.00		1.00	1.00	1.00	2.00				1.00	1.00	1.00	1.00		1.00	
	Actual	4.07	1.03	0.94		1.03	1.00	1.03	2.02				1.01	1.09	0.82	0.85		0.97	
40	Expected	3.00	2.00			1.00	1.00		2.00			1.00		1.00	2.00	1.00		1.00	1.00
	Actual	3.00	1.97			1.04	1.00		1.97			0.97		1.04	1.83	0.92		0.87	1.02
41	Expected	2.00	2.00			2.00	3.00		2.00			2.00	1.00		1.00	1.00		1.00	1.00
	Actual	2.00	1.83			1.91	2.93		1.76			1.48	0.93		0.62	0.76		0.79	0.96
42	Expected	3.00	1.00			2.00	3.00		1.00			2.00	1.00	2.00	1.00	2.00			
	Actual	3.00	1.01			2.00	2.96		0.91			1.96	0.92	2.20	0.76	1.80			
43	Expected	2.00	1.00	2.00		1.00	1.00					1.00	2.00	4.00	2.00	2.00			
	Actual	2.00	1.04	2.04		1.13	1.00					1.00	2.03	4.42	1.83	1.87			
44	Expected	1.00	2.00	3.00		3.00			1.00			1.00	1.00	3.00	2.00				
	Actual	1.00	2.06	3.08		3.16			0.97			0.85	1.02	3.20	1.50				
45	Expected	1.00	2.00	2.00		4.00			2.00			1.00		2.00	2.00		1.00		
	Actual	1.00	2.11	2.13		4.08			2.06			0.95		1.80	1.58		0.00 ^a		
46	Expected		2.00			5.00	1.00	1.00	1.00					1.00	3.00		2.00		1.00
	Actual		1.87			4.69	1.00	1.00	0.95					0.90	2.31		0.00 ^a		0.97
47	Expected		1.00	1.00		1.00	2.00	1.00			2.00		1.00		3.00	2.00	2.00	2.00	2.00
	Actual		0.92	1.02		0.92	2.00	0.99			2.01		1.01		2.40	1.75	0.00 ^a		1.97
48	Expected	1.00		1.00			1.00		1.00		3.00		2.00	1.00	1.00	2.00	2.00		3.00
	Actual	1.00		1.02			1.01		0.97		2.95		1.97	1.00	0.94	1.77	0.00 ^a		2.97
49	Expected	3.00		2.00	1.00		1.00		2.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	2.00
	Actual	3.00		2.02	0.00 ^a		0.98		1.96	1.03	0.97		0.96	0.95	0.93	0.89	0.00 ^a		1.88
50	Expected	3.00	1.00	3.00	1.00		2.00		2.00	1.00	4.00								1.00
	Actual	3.00	1.00	3.04	0.00 ^a		1.98		1.81	1.01	3.97								0.83
51	Expected		2.00	1.00	1.00	1.00	1.00		1.00	2.00	4.00		1.00		1.00	1.00			1.00
	Actual		1.98	1.01	0.00 ^a	1.01	1.00		0.79 ^b	1.99	3.95		1.01		0.88	0.92			0.80 ^b
52	Expected		2.00	1.00		2.00			1.00	1.00	3.00		1.00		2.00	2.00		1.00	2.00
	Actual		2.00	1.09		2.06			0.70 ^b	1.05	3.00		1.10		1.72	1.77		1.01	1.74 ^b
53	Expected		1.00	4.00		1.00					1.00		2.00		1.00	3.00	1.00	1.00	3.00
	Actual		1.00	3.42		1.01					1.00		2.04		0.73	2.68	0.00 ^a	0.90	2.82
54	Expected		1.00	4.00		1.00			1.00			1.00	1.00		1.00	4.00	1.00		2.00
	Actual		1.00	4.00		1.07			1.09			1.05	1.11		0.97	4.01	0.00 ^a		1.86
55	Expected	2.00	1.00	2.00		2.00	1.00		1.00		1.00	1.00	2.00		1.00	2.00			2.00
	Actual	2.00	0.87	1.91		1.83	0.98		0.93		0.93	0.80	1.85		0.66	1.56			1.66 ^b

Table 2 - Amino Acid Analysis (continued)

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
56	Expected	2.00	3.00	2.00	1.00	2.00	1.00		1.00		1.00	2.00	1.00	1.00					1.00
	Actual	2.00	3.03	2.06	0.00 ^a	1.94	0.97		0.74 ^b		1.00	1.96	1.00	0.91					0.74 ^b
57	Expected		3.00	1.00	1.00	1.00			2.00	1.00	1.00	1.00		2.00					2.00
	Actual		3.01	1.06	0.88	0.99			1.47 ^b	1.06	1.00	0.94		2.24					1.51 ^b
58	Expected		3.00	1.00	1.00	2.00	1.00		2.00	1.00	1.00	1.00		2.00		1.00			2.00
	Actual		2.94	0.98	0.00 ^a	1.95	1.00		1.43 ^b	0.99	0.95	0.95		2.19		0.95			1.43 ^b
59	Expected	1.00	1.00	1.00		2.00	2.00		2.00	2.00		1.00		2.00		1.00			2.00
	Actual	1.00	0.96	0.98		1.95	2.00		1.74	2.00		0.74		2.20		0.92			1.86
60	Expected	3.00	2.00			1.00	1.00	1.00	1.00	1.00		1.00		2.00	2.00	1.00			2.00
	Actual	3.00	1.99			1.03	0.99	1.00	0.76 ^b	1.02		0.97		2.19	1.73	0.87			1.79 ^b
61	Expected	2.00	4.00			1.00	2.00	1.00	1.00					1.00	2.00	1.00			1.00
	Actual	2.00	4.09			1.01	2.06	0.98	1.01					1.00	1.74	0.80			0.96
62	Expected	2.00	4.00	4.00		3.00	2.00		1.00		1.00			1.00					1.00
	Actual	2.00	4.06	4.22		3.01	2.02		0.99		1.04			0.92					1.05
63	Expected		1.00	4.00		3.00	1.00		1.00	1.00	1.00	1.00		2.00					2.00
	Actual		0.93	3.80		2.79	1.00		0.88	1.00	0.94	0.75		1.95					1.79
64	Expected	1.00		4.00	1.00	4.00	1.00	1.00	1.00	1.00		1.00		1.00					2.00
	Actual	1.00		4.02	0.00 ^a	3.78	1.02	1.00	0.92	1.01		0.97		0.82					1.90
65	Expected	2.00		3.00	1.00	3.00		1.00		3.00	2.00	1.00		1.00				1.00	
	Actual	2.00		3.14	0.93	3.00		1.03		3.17	2.07	0.99		0.88				0.00 ^a	
66	Expected	2.00		3.00		2.00	1.00	1.00	2.00	2.00	2.00	1.00		1.00		1.00	1.00		
	Actual	2.00		3.00		1.93	1.00	1.00	1.96	2.02	1.97	0.96		0.97		0.93	0.00 ^a		
67	Expected			3.00		1.00	1.00		3.00	1.00		1.00	1.00	2.00	1.00	1.00			
	Actual			2.94		1.04	1.00		2.20	0.99		0.86	0.98	2.25	0.85	0.91			
68	Expected		1.00			4.00	1.00		2.00		1.00	1.00	1.00	3.00	1.00	1.00			1.00
	Actual		1.00			3.94	1.00		1.25		0.98	0.98	0.98	3.20	0.88	0.89			0.99
69	Expected	1.00	2.00	2.00		4.00	1.00		1.00		1.00	1.00	1.00	1.00	1.00				1.00 1.00
	Actual	1.00	2.01	2.01		3.89	1.00		1.00		0.98	1.01	1.03	0.92	0.78				0.92 0.99
70	Expected	2.00	3.00	2.00		2.00	2.00		1.00	1.00	2.00								1.00 1.00
	Actual	2.00	3.04	2.03		1.96	2.03		1.00	1.02	1.98								0.91 0.96
71	Expected	1.00	5.00	1.00		2.00	1.00			2.00	1.00	1.00	1.00			1.00			1.00 1.00
	Actual	1.00	4.83	1.01		1.84	0.93			1.98	0.97	0.62	0.97			0.90			0.85 0.96
72	Expected	1.00	3.00	2.00			1.00			3.00	1.00	1.00	1.00	1.00		1.00	1.00		2.00
	Actual	1.00	3.21	2.08			1.02			3.10	1.01	1.00	1.02	1.02		1.00	0.00 ^a		2.01
73	Expected	3.00	3.00	1.00		1.00	2.00		1.00	2.00				1.00				1.00 1.00 2.00	
	Actual	3.00	3.23	1.02		1.00	2.00		0.98	2.05				1.10				0.00 ^a 0.99 2.01	
74	Expected	4.00	3.00	2.00		1.00	1.00		1.00	1.00								1.00 2.00 1.00	
	Actual	4.00	3.16	2.15		1.01	1.03		1.04	0.84								0.00 ^a 1.76 0.68	
75	Expected	1.00	2.00	3.00	1.00	1.00	2.00		2.00		1.00		1.00					1.00 1.00	
	Actual	1.00	2.32	3.06	0.00 ^a	0.97	2.01		1.95		0.98		1.01					0.00 ^a 1.00	
76	Expected		2.00	4.00	1.00	1.00	1.00		2.00	1.00	1.00	1.00						1.00	
	Actual		1.97	3.96	0.82	0.94	1.00		1.90	1.00	0.95	0.95						0.00 ^a	
77	Expected			4.00		5.00	1.00		3.00	1.00	1.00	1.00							2.00
	Actual			3.95		4.74	1.00		2.87	0.99	0.95	0.98							1.99

Table 2 - Amino Acid Analysis (continued)

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
78	Expected		1.00	1.00		6.00	1.00		2.00	1.00	2.00					1.00	1.00		2.00
	Actual		0.89	0.94		5.46	1.00		1.83	0.94	1.95					0.95	0.00 ^a		1.88
79	Expected		2.00			3.00	1.00		1.00	2.00	4.00			1.00		1.00	2.00		
	Actual		2.30			2.79	1.00		0.93	2.00	3.87			0.88		0.92	0.00 ^a		
80	Expected	1.00	2.00	1.00		1.00			1.00	2.00	4.00			1.00			1.00	1.00	
	Actual	1.00	2.29	1.07		1.02			0.94	2.12	4.13			1.09			0.00 ^a	1.00	
81	Expected	2.00	1.00	2.00					1.00	3.00	3.00			2.00	1.00		1.00	1.00	
	Actual	2.00	1.14	2.10					0.97	3.10	3.02			2.13	0.89		0.00 ^a	0.96	
82	Expected	3.00		1.00		2.00			1.00	2.00	3.00		2.00	1.00	1.00				1.00
	Actual	3.00		1.07		2.06			1.01	2.10	3.07		2.07	0.83	0.75				0.80
83	Expected	3.00	1.00			2.00	1.00			1.00	3.00		2.00						
	Actual	3.00	1.00			1.93	0.96			1.01	3.00		2.01						

^aCys and/or Trp was completely destroyed during hydrolysis.

^bIle-Ile, Val-Val and/or Ile-Val were partially destroyed during hydrolysis.

Date: 22 MAY 2007

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