

Peptide Array, Influenza Virus A/New York/348/2003(H1N1) PB1 Protein
Catalog No. NR-2617

This reagent is the tangible property of the U.S. Government.

Product Description: A 126-peptide array spanning the PB1 protein of the A/New York/348/2003(H1N1) strain of influenza virus (GenBank: ABA12737). Peptides are 12- to 17-mers, with 11 or 12 amino acid overlaps.

Lot: N135-1 to N135-126

The following information applies to all peptides:

- Appearance White lyophilized powder
- Mass spectral analysis Correct MW by MALDI-TOF
- Counter Ion Trifluoroacetate

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

Table 1							
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
1 of 126	2/28/2006	17	1 MDVNPTLLFLKVPQAQA 17	1871.25	0.37	93.4%	89.1%
2 of 126	2/28/2006	17	7 LLFLKVPQAQAISTTFP 23	1860.24	0.76	99.7%	89.1%
3 of 126	2/28/2006	17	13 PAQNAISTTFPYTGDP 29	1776.94	-0.62	100.0%	88.6%
4 of 126	2/28/2006	17	19 STTFPYTGDPYSHGTG 35	1784.87	-0.99	92.0%	88.7%
5 of 126	2/28/2006	17	25 TGDPYSHGTGTGYTMD 41	1756.84	-1.14	97.8%	88.5%
6 of 126	2/28/2006	17	31 SHGTGTGYTMDTVNRTH 47	1834.96	-1.09	98.6%	80.1%
7 of 126	2/28/2006	17	37 GYTMDTVNRTHQYSERG 53	2015.16	-1.55	81.2%	81.6%
8 of 126	2/28/2006	17	43 VNRTHQYSERGRWTKNT 59	2133.33	-2.11	96.0%	75.7%
9 of 126	2/28/2006	17	49 YSERGRWTKNTETGAPQ 65	1981.13	-1.92	97.3%	81.3%
10 of 126	2/28/2006	17	55 WTKNTETGAPQLNPIDG 71	1842.01	-1.08	97.5%	89.0%
11 of 126	2/28/2006	17	61 TGAPQLNPIDGPLPEDN 77	1747.89	-0.88	99.2%	88.5%
12 of 126	2/28/2006	17	67 NPIDGPLPEDNEPSGYA 83	1784.87	-1.19	95.6%	88.7%
13 of 126	2/28/2006	17	73 LPEDNEPSGYAQTDCVL 89	1850.99	-0.66	99.9%	89.0%
14 of 126	2/28/2006	17	79 PSGYAQTDCVLEAMAF 95	1816.10	0.54	81.0%	88.9%
15 of 126	2/28/2006	17	85 TDCVLEAMAFLEESHPG 101	1849.08	0.11	80.2%	89.0%
16 of 126	2/28/2006	16	91 AMAFLEESHPGIFENS 106	1778.97	-0.09	96.0%	88.6%
17 of 126	2/28/2006	17	96 EESHPGIFENSCIETME 112	1952.12	-0.72	95.8%	89.5%
18 of 126	2/28/2006	17	102 IFENSCIETMEVVQQR 118	2027.32	-0.18	81.5%	89.9%
19 of 126	2/28/2006	17	108 IETMEVVQQRVDKLTQ 124	2018.33	-0.51	93.0%	85.5%
20 of 126	2/28/2006	17	114 VQQRVDKLTQGRQTYD 130	2036.25	-1.50	87.4%	81.7%
21 of 126	2/28/2006	17	120 DKLTQGRQTYDWTLN 136	2109.30	-1.82	92.4%	82.2%
22 of 126	2/28/2006	17	126 RQTYDWTLNRNQPAATA 142	2006.18	-1.36	81.9%	85.4%
23 of 126	2/28/2006	17	132 TLNRNQAATALANTIE 148	1798.00	-0.38	97.8%	88.8%
24 of 126	2/28/2006	17	138 PAATALANTIEVFRSNG 154	1731.94	0.19	98.9%	88.4%
25 of 126	2/28/2006	17	144 ANTIEVFRSNGLIANES 160	1835.02	-0.08	82.4%	89.0%
26 of 126	2/28/2006	17	150 FRSNGLIANESGRLIDF 166	1909.15	-0.08	95.7%	84.8%
27 of 126	2/28/2006	17	156 IANESGRLIDFLKDVME 172	1950.26	0.01	99.7%	85.1%
28 of 126	2/28/2006	17	162 RLIDFLKDVMESEMDRDE 178	2112.43	-0.69	92.8%	82.3%
29 of 126	2/28/2006	17	168 KDVMESEMDRDEVEVT 184	2021.23	-1.08	89.4%	81.6%
30 of 126	2/28/2006	17	174 MDRDEVEVTTHFQRKRR 190	2203.49	-1.82	96.4%	73.4%

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Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
31 of 126	2/28/2006	17	180 EVTTHFQRKRRVRDNTV 196	2142.43	-1.52	90.9%	72.9%
32 of 126	2/28/2006	17	185 FQRKRRVRDNTVTKKMTV 201	2162.61	-1.43	99.3%	70.3%
33 of 126	2/28/2006	17	191 VRDNTVTKKMTVQRTIGK 207	1974.37	-0.86	82.1%	74.3%
34 of 126	2/28/2006	17	197 KKMVTQRTIGKKKHKLD 213	2039.54	-1.50	96.5%	66.5%
35 of 126	2/28/2006	17	203 RTIGKKKHKLDKRSYLI 219	2084.56	-1.28	89.5%	67.0%
36 of 126	2/28/2006	17	209 KHKLDKRSYLIRALTLN 225	2069.50	-0.72	97.2%	72.2%
37 of 126	2/28/2006	17	215 RSYLIRALTLNTMTKDA 231	1967.34	-0.16	85.1%	81.2%
38 of 126	2/28/2006	17	221 ALTLNTMTKDAERGLK 237	1890.25	-0.72	99.8%	76.8%
39 of 126	2/28/2006	17	227 MTKDAERGLKRRRAIAT 243	1945.33	-1.08	97.6%	70.9%
40 of 126	2/28/2006	17	233 RGKLRRAIATPGMQIR 249	1952.42	-0.83	98.1%	71.0%
41 of 126	2/28/2006	17	239 RAIATPGMQIRGFVYFV 255	1926.33	0.68	99.1%	84.9%
42 of 126	2/28/2006	17	245 GMQIRGFVYFVETLARS 261	1974.33	0.38	85.2%	85.2%
43 of 126	2/28/2006	17	251 FVYFVETLARSICEKLE 267	2047.42	0.51	97.5%	85.7%
44 of 126	2/28/2006	17	257 TLARSICEKLEQSGPLV 273	1844.18	0.07	97.6%	84.4%
45 of 126	2/28/2006	17	263 CEKLEQSGPLVGGNEKK 279	1816.08	-1.09	97.4%	79.9%
46 of 126	2/28/2006	17	269 SGLPVGNEKKAKLANV 285	1681.97	-0.36	98.1%	78.7%
47 of 126	2/28/2006	17	275 GNEKKAKLANVVRKMMT 291	1918.37	-0.71	97.5%	73.7%
48 of 126	2/28/2006	17	281 KLANVVRKMMTNSQDTE 297	1965.29	-0.84	98.8%	81.2%
49 of 126	2/28/2006	17	287 RKMMTNSQDTEISFTIT 303	2003.30	-0.66	89.1%	85.4%
50 of 126	2/28/2006	17	293 SQDTEISFTITGDNTKW 309	1943.07	-0.90	92.1%	89.5%
51 of 126	2/28/2006	17	299 SFTITGDNTKWNENQNP 315	1966.07	-1.58	99.8%	89.6%
52 of 126	2/28/2006	17	305 DNTKWNENQNPRMFLAM 321	2109.39	-1.41	85.5%	86.1%
53 of 126	2/28/2006	17	311 ENQNPRMFLAMITYITK 327	2070.48	-0.32	82.1%	85.8%
54 of 126	2/28/2006	17	317 MFLAMITYITKNQPEWF 333	2133.58	0.26	94.3%	90.4%
55 of 126	2/28/2006	17	323 TYITKNQPEWFRNILSI 339	2123.46	-0.49	99.5%	86.1%
56 of 126	2/28/2006	17	328 NQPEWFRNILSIAPIMF 344	2076.47	0.19	92.8%	90.1%
57 of 126	2/28/2006	17	334 RNLSIAPIMFSNKMAR 350	1962.43	0.26	83.8%	81.2%
58 of 126	2/28/2006	17	340 APIMFSNKMARLGGYGM 356	1915.39	0.01	98.7%	80.8%
59 of 126	2/28/2006	17	346 NKMARLGGYMFESKSM 362	1978.40	-0.75	99.4%	77.6%
60 of 126	2/28/2006	17	352 GKGYMFESKSMKLRITQI 368	2004.42	-0.75	97.0%	77.9%
61 of 126	2/28/2006	17	358 ESKSMKLRITQIPAEMLA 374	1933.34	-0.42	96.9%	80.9%
62 of 126	2/28/2006	17	364 LRTQIPAEMLANIDLKY 380	1989.38	-0.01	90.4%	85.3%
63 of 126	2/28/2006	17	370 AEMLANIDLKYFNDSTK 386	1973.25	-0.45	98.4%	85.2%
64 of 126	2/28/2006	17	376 IDLYFNDSTKKKIEKI 392	2083.47	-0.95	95.8%	75.3%
65 of 126	2/28/2006	17	382 NDSTKKKIEKIRPLLD 398	2011.41	-0.95	99.9%	74.6%
66 of 126	2/28/2006	17	388 KIEKIRPLLDGTASLS 404	1854.24	0.18	99.2%	80.3%
67 of 126	2/28/2006	17	394 PLLIDGTASLSPGMMMG 410	1691.08	0.78	94.2%	88.1%
68 of 126	2/28/2006	17	400 TASLSPGMMMGFMNMLS 416	1806.25	0.75	95.0%	88.8%
69 of 126	2/28/2006	17	406 GMMMGFMNMLSTVLGVS 422	1806.29	1.25	83.8%	88.8%
70 of 126	2/28/2006	17	412 FNMLSTVLGVSILNLGQ 428	1806.17	1.13	82.4%	88.8%
71 of 126	2/28/2006	17	418 VLGVSILNLGQKRYTKT 434	1890.27	0.04	97.9%	80.6%
72 of 126	2/28/2006	17	424 LNLGQKRYTKTYWWDG 440	2130.41	-1.32	96.9%	82.4%
73 of 126	2/28/2006	17	430 RYTKTYWWDGLQSSDD 446	2122.25	-1.59	92.6%	86.1%
74 of 126	2/28/2006	17	436 YWWDGLQSSDDFALIVN 452	2029.21	-0.10	83.3%	89.9%
75 of 126	2/28/2006	17	441 LQSSDDFALIVNAPNYA 457	1838.02	0.15	97.1%	89.0%
76 of 126	2/28/2006	17	447 FALIVNAPNYAGIQAGV 463	1718.00	1.00	88.4%	88.3%
77 of 126	2/28/2006	17	453 APNYAGIQAGVDRFYRT 469	1899.11	-0.49	92.2%	84.7%
78 of 126	2/28/2006	17	459 IQAGVDRFYRTCKLLGI 475	1953.35	0.31	98.4%	81.1%
79 of 126	2/28/2006	17	465 RFYRTCKLLGINMSKKK 481	2086.61	-0.71	98.4%	72.3%
80 of 126	2/28/2006	17	471 KLLGINMSKKKSYINRT 487	1994.45	-0.74	87.6%	74.5%
81 of 126	2/28/2006	17	477 MSKKKSYINRTGTFEFT 493	2038.37	-0.98	84.1%	78.2%
82 of 126	2/28/2006	17	483 YINRTGTFEFTSFFYRY 499	2212.47	-0.44	87.6%	86.6%
83 of 126	2/28/2006	17	489 TFEFTSFFYRYGFVANF 505	2143.41	0.36	94.6%	90.4%
84 of 126	2/28/2006	17	495 FFYRYGFVANFSMELPS 511	2075.39	0.31	82.1%	90.1%
85 of 126	2/28/2006	17	501 FVANFSMELPSFGVSGV 517	1788.07	0.98	97.7%	88.7%

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Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
86 of 126	2/28/2006	17	507 MELPSFGVSGVNESADM 523	1769.98	0.11	97.1%	88.6%
87 of 126	2/28/2006	17	513 GVSGVNESADMSIGVTV 529	1621.80	0.60	95.8%	87.7%
88 of 126	2/28/2006	17	519 ESADMSIGVTVIKNNMI 535	1822.15	0.41	96.3%	88.9%
89 of 126	2/28/2006	17	525 IGVTVIKNNMINNDLGP 541	1812.13	0.18	82.4%	88.8%
90 of 126	2/28/2006	17	531 KNNMINNDLGPATAQMA 547	1803.06	-0.59	87.3%	88.8%
91 of 126	2/28/2006	17	537 NDLGPATAQMALQLFIK 553	1831.18	0.32	91.3%	88.9%
92 of 126	2/28/2006	17	543 TAQMALQLFIKDYRYTY 559	2125.49	-0.22	96.0%	86.1%
93 of 126	2/28/2006	17	548 LQLFIKDYRYTYRCHRG 564	2232.61	-0.89	82.2%	76.6%
94 of 126	2/28/2006	17	554 DYRYTYRCHRGDTQIQT 570	2176.37	-1.77	94.1%	79.3%
95 of 126	2/28/2006	17	560 RCHRGDTQIQTRRSFEI 576	2103.37	-1.38	87.7%	75.5%
96 of 126	2/28/2006	17	566 TQIQTRRSFEIKKLWDQ 582	2177.51	-1.28	99.8%	79.3%
97 of 126	2/28/2006	17	572 RSFEIKKLWDQTRSKAG 588	2050.37	-1.29	100.0%	75.0%
98 of 126	2/28/2006	17	578 KLWDQTRSKAGLLVSDG 594	1874.14	-0.55	90.6%	80.4%
99 of 126	2/28/2006	17	584 RSKAGLLVSDGGPNLYN 600	1760.98	-0.42	98.1%	83.7%
100 of 126	2/28/2006	17	590 LVSDGGPNLYNIRNLHI 606	1895.17	-0.09	96.1%	84.7%
101 of 126	2/28/2006	17	596 PNLYNIRNLHIPEVCLK 612	2036.45	-0.18	97.8%	81.7%
102 of 126	2/28/2006	17	602 RNLIHIPEVCLKWELMDE 618	2125.51	-0.42	98.1%	82.3%
103 of 126	2/28/2006	17	608 EVCLKWELMEDYQGRRL 624	2127.44	-0.71	88.0%	86.2%
104 of 126	2/28/2006	17	614 ELMEDYQGRRLCNPLNP 630	2007.24	-1.06	84.2%	89.8%
105 of 126	2/28/2006	17	620 YQGRRLCNPLNPFVSHKE 636	2002.30	-0.84	86.3%	81.5%
106 of 126	2/28/2006	17	626 NPLNPFVSHKEIESVNN 642	1938.14	-0.79	92.6%	85.0%
107 of 126	2/28/2006	17	632 VSHKEIESVNNNAVIMPA 648	1838.13	0.16	81.2%	84.3%
108 of 126	2/28/2006	17	638 ESVNNNAVIMPAHGPAKN 654	1748.99	-0.31	81.9%	83.7%
109 of 126	2/28/2006	17	644 VIMPAHGPAKNMEYDAV 660	1843.17	-0.02	99.4%	84.4%
110 of 126	2/28/2006	17	650 GPAKNMEYDAVATTHSW 666	1878.07	-0.74	84.2%	84.6%
111 of 126	2/28/2006	17	656 EYDAVATTHSWVPKRN 672	2030.25	-1.21	83.4%	78.1%
112 of 126	2/28/2006	17	662 TTHSWVPKRNRSILNTS 678	1997.26	-1.04	99.4%	77.8%
113 of 126	2/28/2006	17	668 PKRNRSILNTSQRGILE 684	1982.29	-1.12	91.7%	77.7%
114 of 126	2/28/2006	17	674 ILNTSQRGILEDEQMYQ 690	2038.28	-0.81	98.9%	89.9%
115 of 126	2/28/2006	17	680 RGILEDEQMYQRCCNLF 696	2118.46	-0.58	98.0%	86.1%
116 of 126	2/28/2006	17	686 EQMYQRCCNLFKFFFPS 702	2170.53	-0.62	99.8%	86.4%
117 of 126	2/28/2006	17	692 CCNLFKFFPSSSYRRP 708	2081.42	-0.56	92.6%	82.0%
118 of 126	2/28/2006	17	698 KFFPSSSYRRPVGISSM 714	1946.28	-0.33	99.7%	81.0%
119 of 126	2/28/2006	17	704 SYRRPVGISSMVEAMVS 720	1869.21	0.22	98.9%	84.5%
120 of 126	2/28/2006	17	710 GISSMVEAMVSRARIDA 726	1793.11	0.46	93.8%	84.0%
121 of 126	2/28/2006	17	716 EAMVSRARIDARIDFES 732	1966.22	-0.34	99.7%	81.2%
122 of 126	2/28/2006	17	722 ARIDARIDFESGRIKKE 738	2004.29	-0.98	98.7%	74.6%
123 of 126	2/28/2006	17	728 IDFESGRIKKEEFAEIM 744	2042.36	-0.48	95.5%	81.8%
124 of 126	2/28/2006	17	734 RIKKEEFAEIMKTCSTI 750	2027.45	-0.38	90.4%	78.1%
125 of 126	2/28/2006	17	740 FAEIMKTCSTIEDLRRQ 756	2041.39	-0.43	99.3%	81.7%
126 of 126	2/28/2006	12	746 TCSTIEDLRRQK 757	1449.66	-1.23	97.9%	76.1%

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

Table 2 - Amino Acid Analysis

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 of 126	Expected	2.00		3.00		1.00				3.00	1.00	1.00	1.00	2.00		1.00			2.00
	Actual	2.00		2.74		0.97				2.88	1.07	1.07	1.10	2.15		1.07			1.90
2 of 126	Expected	2.00		1.00		1.00			1.00	3.00	1.00		2.00	2.00	1.00	2.00			1.00
	Actual	2.00		0.94		0.96			1.07	2.78	1.08		2.29	1.97	1.02	2.14			0.88
3 of 126	Expected	2.00		2.00		1.00	1.00		1.00				1.00	4.00	1.00	3.00		1.00	
	Actual	2.00		1.81		0.97	1.09		1.11				1.25	3.88	0.94	2.92		1.23	
4 of 126	Expected			1.00			3.00	1.00					1.00	3.00	2.00	4.00		2.00	
	Actual			1.00			2.84	1.09					1.19	3.08	1.93	3.86		2.11	
5 of 126	Expected			2.00			4.00	1.00				1.00		2.00	1.00	4.00		2.00	
	Actual			2.03			4.21	1.15				1.08		2.23	1.12	3.61		2.00	
6 of 126	Expected		1.00	2.00			3.00	2.00				1.00			1.00	5.00		1.00	1.00
	Actual		1.01	1.79			3.06	2.05				1.11			0.94	4.67		1.15	1.00
7 of 126	Expected		2.00	2.00		2.00	2.00	1.00				1.00			1.00	3.00		2.00	1.00
	Actual		2.00	2.07		1.83	2.16	0.88				0.96			1.02	2.70		2.06	0.78
8 of 126	Expected		3.00	2.00		2.00	1.00	1.00			1.00				1.00	3.00	1.00	1.00	1.00
	Actual		3.00	1.69		1.81	1.23	0.90			1.03				1.04	2.82	0.00 ^a	1.16	0.93
9 of 126	Expected	1.00	2.00	1.00		3.00	2.00				1.00			1.00	1.00	3.00	1.00	1.00	
	Actual	1.05	2.00	1.07		2.72	2.27				1.01			1.12	1.16	2.75	0.00 ^a	1.15	
10 of 126	Expected	1.00		3.00		2.00	2.00		1.00	1.00	1.00			2.00		3.00	1.00		
	Actual	1.00		2.71		1.85	2.24		1.03	1.14	0.90			2.05		3.04	0.00 ^a		
11 of 126	Expected	1.00		4.00		2.00	2.00		1.00	2.00				4.00		1.00			
	Actual	1.11		3.77		1.95	2.22		1.03	2.08				4.00		1.10			
12 of 126	Expected	1.00		4.00		2.00	2.00		1.00	1.00				4.00	1.00			1.00	
	Actual	1.00		3.77		1.84	2.27		1.02	1.15				3.88	0.91			1.27	
13 of 126	Expected	1.00		3.00	1.00	3.00	1.00			2.00				2.00	1.00	1.00		1.00	1.00
	Actual	1.00		2.68	0.46 ^b	2.94	1.11			1.77				1.96	0.89	0.98		1.10	0.75
14 of 126	Expected	3.00		1.00	1.00	2.00	1.00			2.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00
	Actual	3.00		0.81	0.55 ^b	1.73	1.03			1.92		0.98	1.24	1.18	1.03	0.91		1.31	0.81
15 of 126	Expected	2.00		1.00	1.00	3.00	1.00	1.00		2.00		1.00	1.00	1.00	1.00	1.00			1.00
	Actual	2.00		0.92	0.54 ^b	2.65	1.02	1.13		1.70		0.98	1.00	0.90	1.00	0.91			0.71
16 of 126	Expected	2.00		1.00		3.00	1.00	1.00	1.00	1.00		1.00	2.00	1.00	2.00				
	Actual	1.77		0.82		2.73	0.99	0.74	0.66	0.71		0.87	1.90	0.91	1.66				
17 of 126	Expected			1.00	1.00	5.00	1.00	1.00	2.00	0.00				1.00	1.00	1.00	2.00	1.00	
	Actual			0.98	0.45 ^b	4.72	1.10	1.16	1.87				1.04	0.61	1.00	1.79	0.99		
18 of 126	Expected		1.00	1.00	1.00	5.00			2.00				1.00	1.00		1.00	2.00		2.00
	Actual		0.96	0.98	0.53 ^b	4.86			2.12				0.97	1.00		0.84	1.98		0.82 ^c
19 of 126	Expected		1.00	1.00		5.00			1.00	1.00	1.00	1.00				3.00			3.00
	Actual		1.11	1.06		4.83			1.07	1.12	1.00	1.07				2.82			1.86 ^c
20 of 126	Expected		2.00	2.00		4.00	1.00			1.00	1.00					3.00		1.00	2.00
	Actual		2.01	2.11		3.89	1.08			1.06	1.07					2.71		1.00	1.06
21 of 126	Expected		2.00	4.00		2.00	1.00			2.00	1.00					3.00	1.00	1.00	
	Actual		2.12	3.78		1.79	1.20			1.78	0.90					2.70	0.00 ^a	1.00	
22 of 126	Expected	3.00	2.00	3.00		2.00				1.00				1.00		3.00	1.00	1.00	
	Actual	2.68	2.24	2.76		1.71				0.85				1.15		2.80	0.00 ^a	1.00	
23 of 126	Expected	4.00	1.00	3.00		2.00			1.00	2.00				1.00		3.00			
	Actual	3.82	1.10	3.28		2.00			1.06	2.36				0.83		2.95			
24 of 126	Expected	4.00	1.00	2.00		1.00	1.00		1.00	1.00			1.00	1.00	1.00	2.00			1.00
	Actual	4.00	1.09	2.02		1.08	1.04		0.86	1.02			1.12	0.83	0.94	1.76			0.81
25 of 126	Expected	2.00	1.00	3.00		2.00	1.00		2.00	1.00			1.00		2.00	1.00			1.00
	Actual	2.00	1.17	3.03		1.76	1.18		1.67	1.00			0.65		2.27	0.72			0.74
26 of 126	Expected	1.00	2.00	3.00		1.00	2.00		2.00	2.00			2.00		2.00				
	Actual	1.00	2.33	3.22		1.35	2.15		1.88	1.96			2.33		2.77				
27 of 126	Expected	1.00	1.00	3.00		2.00	1.00		2.00	2.00	1.00	1.00	1.00		1.00				1.00
	Actual	0.93	1.25	2.83		2.00	0.97		1.96	2.04	0.94	0.87	1.16		1.00				1.03
28 of 126	Expected		2.00	4.00		2.00			1.00	2.00	1.00	2.00	1.00		1.00				1.00
	Actual		2.25	3.71		1.88			0.96	2.00	0.83	2.04	1.10		0.93				0.99
29 of 126	Expected		1.00	3.00		3.00		1.00			1.00	2.00			1.00	2.00			3.00
	Actual		1.05	2.81		2.70		1.10		0.81	2.00			0.90	1.81				2.77
30 of 126	Expected		4.00	2.00		3.00		1.00			1.00	1.00	1.00			2.00			2.00
	Actual		4.00	1.98		2.86		0.78			1.00	1.01	1.09			1.89			1.86

Table 2 - Amino Acid Analysis

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)
31 of 126	Expected		4.00	2.00		2.00		1.00			1.00		1.00			3.00			3.00
	Actual		3.93	1.93		1.97		1.07			1.00		1.14			2.82			2.76
32 of 126	Expected		4.00	2.00		1.00					3.00	1.00	1.00			2.00			3.00
	Actual		4.03	2.11		1.19					3.00	1.16	1.14			1.99			2.89
33 of 126	Expected		2.00	2.00		1.00	1.00		1.00		3.00	1.00				3.00			3.00
	Actual		2.02	1.95		1.04	1.05		1.00		2.78	1.23				2.73			2.79
34 of 126	Expected		1.00	1.00		1.00	1.00	1.00	1.00	1.00	6.00	1.00				2.00			1.00
	Actual		1.00	0.93		0.92	1.00	1.03	0.88	1.00	5.77	1.07				1.78			1.00
35 of 126	Expected		2.00	1.00			1.00	1.00	2.00	2.00	5.00				1.00	1.00		1.00	
	Actual		2.21	0.98			1.06	1.01	1.91	2.00	4.82				1.09	1.07		1.03	
36 of 126	Expected	1.00	2.00	2.00				1.00	1.00	4.00	3.00				1.00	1.00		1.00	
	Actual	1.01	1.97	1.93				1.05	0.85	3.78	3.20				1.04	0.95		1.00	
37 of 126	Expected	2.00	2.00	2.00					1.00	3.00	1.00	1.00			1.00	3.00		1.00	
	Actual	1.86	2.08	1.89					0.86	2.74	1.00	0.99			1.04	2.78		1.13	
38 of 126	Expected	2.00	1.00	2.00		1.00	1.00			3.00	3.00	1.00				3.00			
	Actual	2.00	1.14	1.90		0.94	1.12			2.71	2.75	1.04				2.91			
39 of 126	Expected	3.00	3.00	1.00		1.00	1.00		1.00	1.00	3.00	1.00				2.00			
	Actual	3.00	3.12	0.90		0.98	1.09		1.11	1.13	2.71	0.88				1.95			
40 of 126	Expected	2.00	4.00			1.00	2.00		2.00	1.00	2.00	1.00		1.00		1.00			
	Actual	2.00	4.02			0.97	2.12		1.83	1.01	1.88	1.11		1.02		1.01			
41 of 126	Expected	2.00	2.00			1.00	2.00		2.00			1.00	2.00	1.00		1.00		1.00	2.00
	Actual	2.00	1.96			1.10	2.13		1.74			1.10	1.88	1.07		1.02		0.86	1.74
42 of 126	Expected	1.00	2.00			2.00	2.00		1.00	1.00		1.00	2.00		1.00	1.00		1.00	2.00
	Actual	1.05	1.92			1.72	2.17		0.94	1.00		1.05	2.00		1.02	0.96		0.88	1.81
43 of 126	Expected	1.00	1.00		1.00	3.00			1.00	2.00	1.00		2.00		1.00	1.00		1.00	2.00
	Actual	1.14	1.15	0.49 ^b		3.14			0.88	1.76	0.91		1.77		1.12	0.92		1.00	1.75
44 of 126	Expected	1.00	1.00		1.00	3.00	1.00		1.00	3.00	1.00			1.00	2.00	1.00			1.00
	Actual	1.14	1.00		0.45 ^b	2.90	1.07		1.07	2.79	1.14			1.12	1.83	1.09			1.17
45 of 126	Expected			1.00	1.00	4.00	3.00			2.00	3.00			1.00	1.00				1.00
	Actual			0.96	0.44 ^b	4.24	2.82			1.85	2.74			1.00	1.06				1.05
46 of 126	Expected	2.00		2.00		1.00	3.00			2.00	3.00			1.00	1.00				2.00
	Actual	2.00		1.94		1.00	2.99			1.88	2.86			1.06	1.00				2.01
47 of 126	Expected	2.00	1.00	2.00		1.00	1.00			1.00	4.00	2.00				1.00			2.00
	Actual	2.00	1.07	1.96		0.97	1.12			1.04	4.28	2.15				1.12			0.90 ^c
48 of 126	Expected	1.00	1.00	3.00		2.00				1.00	2.00	2.00			1.00	2.00			2.00
	Actual	1.06	1.07	2.93		1.81				0.96	2.00	2.12			0.97	2.07			0.81 ^c
49 of 126	Expected		1.00	2.00		2.00			2.00		1.00	2.00	1.00		2.00	4.00			
	Actual		1.03	1.93		1.92			1.94		1.00	1.97	1.04		1.96	3.80			
50 of 126	Expected			3.00		2.00	1.00		2.00		1.00		1.00		2.00	4.00	1.00		
	Actual			3.06		2.05	1.05		1.92		1.00		1.00		2.02	3.88	0.00 ^a		
51 of 126	Expected			5.00		2.00	1.00		1.00		1.00		1.00	1.00	1.00	3.00	1.00		
	Actual			4.94		2.04	1.07		0.90		1.03		1.13	1.00	1.07	2.86	0.00 ^a		
52 of 126	Expected	1.00	1.00	5.00		2.00				1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00		
	Actual	1.14	1.13	5.05		2.11				1.04	1.11	2.06	1.04	1.05		0.92	0.00 ^a		
53 of 126	Expected	1.00	1.00	2.00		2.00			2.00	1.00	1.00	2.00	1.00	1.00	2.00			1.00	
	Actual	1.00	1.09	2.04		2.02			1.93	0.93	0.97	1.99	1.00	1.08	1.82			1.08	
54 of 126	Expected	1.00		1.00		2.00			2.00	1.00	1.00	2.00	2.00	1.00		2.00	1.00	1.00	
	Actual	1.00		1.16		2.12			1.94	0.92	1.07	1.71	2.04	1.17		1.84	0.00 ^a	0.92	
55 of 126	Expected		1.00	2.00		2.00			3.00	1.00	1.00		1.00	1.00	1.00	2.00	1.00	1.00	
	Actual		1.07	2.07		2.00			3.00	1.09	1.07		1.13	1.04	1.03	1.99	0.00 ^a	1.00	
56 of 126	Expected	1.00	1.00	2.00		2.00			3.00	1.00		1.00	2.00	2.00	1.00		1.00		
	Actual	1.09	1.13	2.14		2.07			3.00	0.92		1.09	2.00	1.95	0.91		0.00 ^a		
57 of 126	Expected	2.00	2.00	2.00					3.00	1.00	1.00	2.00	1.00	1.00	2.00				
	Actual	1.91	2.06	2.02					2.99	1.00	1.13	2.08	1.14	0.98	2.03				
58 of 126	Expected	2.00	1.00	1.00			2.00		1.00	1.00	2.00	3.00	1.00	1.00	1.00			1.00	
	Actual	2.05	1.12	1.01			2.03		1.07	1.00	2.02	3.08	1.10	1.10	1.08			1.10	
59 of 126	Expected	1.00	1.00	1.00		1.00	2.00			1.00	3.00	3.00	1.00		2.00				1.00
	Actual	1.05	0.98	1.02		0.97	2.15			1.02	2.84	2.84	0.98		1.79				1.00
60 of 126	Expected		1.00			2.00	2.00		1.00	1.00	3.00	2.00	1.00		2.00	1.00		1.00	
	Actual		1.06			2.06	2.10		1.01	1.00	3.00	1.83	1.08		1.87	0.90		1.05	

Table 2 - Amino Acid Analysis

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)
61 of 126	Expected	2.00	1.00			3.00			1.00	2.00	2.00	2.00		1.00	2.00	1.00			
	Actual	2.11	1.03			2.79			0.93	1.82	2.00	1.98		0.96	2.16	0.86			
62 of 126	Expected	2.00	1.00	2.00		2.00			2.00	3.00	1.00	1.00		1.00		1.00		1.00	
	Actual	2.16	1.08	2.04		2.05			1.82	2.83	1.00	0.99		1.00		0.97		0.99	
63 of 126	Expected	2.00		4.00		1.00			1.00	2.00	2.00	1.00	1.00		1.00	1.00		1.00	
	Actual	2.18		4.14		1.03			0.90	2.00	2.08	1.07	1.13		1.00	0.82		1.03	
64 of 126	Expected			3.00		1.00			3.00	1.00	5.00		1.00		1.00	1.00		1.00	
	Actual			2.88		0.97			2.97	0.98	4.73		1.00		1.01	1.03		1.04	
65 of 126	Expected		1.00	3.00		1.00			3.00	2.00	4.00			1.00	1.00	1.00			
	Actual		1.05	2.95		1.05			2.82	2.00	3.80			0.93	0.95	0.96			
66 of 126	Expected	1.00	1.00	1.00		1.00	1.00		3.00	3.00	2.00			1.00	2.00	1.00			
	Actual	0.94	1.04	1.08		1.11	1.11		3.00	3.00	2.24			0.95	1.70	0.82			
67 of 126	Expected	1.00		1.00			3.00		1.00	3.00		3.00		2.00	2.00	1.00			
	Actual	1.03		0.95			3.05		1.00	2.90		2.90		2.06	1.93	1.03			
68 of 126	Expected	1.00		1.00			2.00			2.00		5.00	1.00	1.00	3.00	1.00			
	Actual	1.05		1.01			2.05			2.00		4.88	1.07	1.03	2.86	1.02			
69 of 126	Expected			1.00			3.00			2.00		5.00	1.00		2.00	1.00			2.00
	Actual			1.06			3.15			2.00		4.65	1.11		2.05	1.05			1.87
70 of 126	Expected			2.00		1.00	2.00		1.00	4.00		1.00	1.00		2.00	1.00			2.00
	Actual			2.01		1.02	2.18		1.03	3.77		0.91	1.00		2.14	0.86			1.94
71 of 126	Expected		1.00	1.00		1.00	2.00		1.00	3.00	2.00				1.00	2.00		1.00	2.00
	Actual		1.00	0.92		0.92	2.01		0.87	2.80	1.93				0.88	1.88		1.18	1.85
72 of 126	Expected		1.00	2.00		1.00	2.00			2.00	2.00				0.00	3.00	2.00	2.00	
	Actual		1.00	1.96		1.04	1.93			1.88	1.93				0.00	2.88	0.00 ^a	1.99	
73 of 126	Expected		1.00	3.00		1.00	1.00			1.00	1.00				2.00	3.00	2.00	2.00	
	Actual		0.92	2.96		0.98	1.07			1.02	1.00				1.81	2.99	0.00 ^a	2.09	
74 of 126	Expected	1.00		4.00		1.00	1.00		1.00	2.00			1.00		2.00		2.00	1.00	1.00
	Actual	1.01		3.73		0.92	1.01		0.40 ^c	1.88			1.03		1.92		0.00 ^a	1.00	0.41 ^c
75 of 126	Expected	3.00		4.00		1.00			1.00	2.00			1.00	1.00	2.00			1.00	1.00
	Actual	3.00		3.78		0.87			0.44 ^c	2.00			1.16	1.16	2.06			1.10	0.43 ^c
76 of 126	Expected	4.00		2.00		1.00	2.00		2.00	1.00			1.00	1.00				1.00	2.00
	Actual	3.82		1.91		0.86	1.96		1.51 ^c	0.99			1.00	1.06				0.97	1.47 ^c
77 of 126	Expected	3.00	2.00	2.00		1.00	2.00		1.00				1.00	1.00		1.00		2.00	1.00
	Actual	2.71	2.01	1.84		0.95	1.98		0.87				1.04	0.99		0.93		2.07	1.00
78 of 126	Expected	1.00	2.00	1.00	1.00	1.00	2.00		2.00	2.00	1.00		1.00			1.00		1.00	1.00
	Actual	1.07	1.97	0.92	0.43 ^b	0.94	1.94		1.97	1.93	0.92		1.08			0.92		0.97	1.00
79 of 126	Expected		2.00	1.00	1.00		1.00		1.00	2.00	4.00	1.00	1.00		1.00	1.00		1.00	
	Actual		2.08	0.94	0.41 ^b		1.05		1.00	1.93	3.82	1.11	1.09		1.06	0.85		1.07	
80 of 126	Expected		1.00	2.00			1.00		2.00	2.00	4.00	1.00			2.00	1.00		1.00	
	Actual		1.06	1.83			1.10		1.94	2.00	3.88	1.04			1.92	0.98		1.11	
81 of 126	Expected		1.00	1.00		1.00	1.00		1.00		3.00	1.00	2.00		2.00	3.00		1.00	
	Actual		1.12	1.07		1.01	1.16		0.95		2.99	1.00	2.14		1.84	2.94		1.17	
82 of 126	Expected		2.00	1.00		1.00	1.00		1.00				4.00		1.00	3.00		3.00	
	Actual		2.08	1.11		1.12	1.00		0.94				4.00		1.06	2.89		3.10	
83 of 126	Expected	1.00	1.00	1.00		1.00	1.00						6.00		1.00	2.00		2.00	1.00
	Actual	0.98	1.00	0.94		1.02	1.17						6.00		0.97	1.83		1.96	1.01
84 of 126	Expected	1.00	1.00	1.00		1.00	1.00			1.00		1.00	4.00	1.00	2.00			2.00	1.00
	Actual	1.00	1.00	1.00		1.04	1.00			1.04		1.08	3.81	1.06	2.08			1.96	0.93
85 of 126	Expected	1.00		1.00		1.00	2.00		1.00	1.00	3.00	1.00	3.00		3.00				3.00
	Actual	0.99		0.95		1.01	2.14			1.08		1.08	3.00	1.05	2.90				2.93
86 of 126	Expected	1.00		2.00		2.00	2.00			1.00		2.00	1.00	1.00	3.00				2.00
	Actual	1.09		1.84		1.88	2.04			1.06		2.17	1.11	1.09	2.73				2.00
87 of 126	Expected	1.00		2.00		1.00	3.00		1.00			1.00			3.00	1.00			4.00
	Actual	1.00		2.16		1.11	3.13		1.03			1.06			2.98	1.03			3.94
88 of 126	Expected	1.00		3.00		1.00	1.00		3.00		1.00	2.00			2.00	1.00			2.00
	Actual	0.96		3.00		0.95	1.14		2.55 ^c		0.99	2.02			1.88	0.93			1.49 ^c
89 of 126	Expected			5.00			2.00		3.00	1.00	1.00	1.00		1.00		1.00			2.00
	Actual			4.91			1.95		2.49 ^c	1.16	0.94	1.00		1.20		1.04			1.56 ^c
90 of 126	Expected	3.00		5.00		1.00	1.00		1.00	1.00	1.00	2.00		1.00		1.00			
	Actual	3.17		4.79		1.07	1.03		0.96	1.06	1.00	2.09		1.09		1.10			

Table 2 - Amino Acid Analysis

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)
91 of 126	Expected	3.00		2.00		2.00	1.00		1.00	3.00	1.00	1.00	1.00	1.00		1.00			
	Actual	2.86		1.92		2.09	1.13		0.88	3.00	1.01	1.13	1.14	1.13		1.13			
92 of 126	Expected	2.00	1.00	1.00		2.00			1.00	2.00	1.00	1.00	1.00			2.00		3.00	
	Actual	2.05	1.07	1.02		1.90			0.93	2.11	1.03	1.00	1.10			2.11		3.04	
93 of 126	Expected		3.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00		1.00			1.00		3.00	
	Actual		3.18	1.06	0.45 ^b	1.05	1.00	1.07	0.93	2.15	1.00		1.12			1.03		2.95	
94 of 126	Expected		3.00	2.00	1.00	2.00	1.00	1.00	1.00							3.00		3.00	
	Actual		3.15	2.00	0.63 ^b	1.93	1.15	1.17	1.19							2.88		3.00	
95 of 126	Expected		4.00	1.00	1.00	3.00	1.00	1.00	2.00				1.00		1.00	2.00			
	Actual		4.00	0.96	0.46 ^b	2.84	1.02	1.00	1.91				1.07		0.94	1.76			
96 of 126	Expected		2.00	1.00		4.00			2.00	1.00	2.00		1.00		1.00	2.00	1.00		
	Actual		1.98	0.95		3.83			1.89	1.01	2.00		1.00		0.99	1.88	0.00 ^a		
97 of 126	Expected	1.00	2.00	1.00		2.00	1.00		1.00	1.00	3.00		1.00		2.00	1.00	1.00		
	Actual	0.90	2.08	0.93		1.96	0.99		0.97	1.00	3.03		1.03		1.97	0.90	0.00 ^a		
98 of 126	Expected	1.00	1.00	2.00		1.00	2.00			3.00	2.00				2.00	1.00	1.00		1.00
	Actual	1.14	1.14	1.94		1.02	2.13			3.00	2.12				2.09	0.99	0.00 ^a		1.12
99 of 126	Expected	1.00	1.00	3.00			3.00			3.00	1.00			1.00	2.00			1.00	1.00
	Actual	1.03	1.12	2.99			3.11			2.91	1.00			0.99	1.78			1.02	0.99
100 of 126	Expected		1.00	4.00			2.00	1.00	2.00	3.00				1.00	1.00			1.00	1.00
	Actual		1.03	3.93			2.15	1.04	2.00	2.85				1.05	1.05			0.98	1.02
101 of 126	Expected		1.00	3.00	1.00	1.00		1.00	2.00	3.00	1.00			2.00				1.00	1.00
	Actual		1.02	2.82	0.47 ^b	0.99		1.02	2.11	2.89	1.11			2.03				1.04	1.00
102 of 126	Expected		1.00	2.00	1.00	3.00		1.00	1.00	3.00	1.00	1.00		1.00			1.00		1.00
	Actual		1.10	1.90	0.50 ^b	2.99		1.08	1.03	3.00	0.99	1.12		1.15			0.00 ^a		0.96
103 of 126	Expected		1.00	2.00	1.00	4.00	1.00			3.00	1.00	1.00					1.00	1.00	1.00
	Actual		1.00	1.98	0.56 ^b	4.09	1.07			2.92	1.00	1.10					0.00 ^a	1.00	0.92
104 of 126	Expected		1.00	4.00	1.00	3.00	1.00			3.00		1.00		2.00					1.00
	Actual		1.02	3.94	0.50 ^b	2.99	1.04			3.00		0.99		2.16					1.09
105 of 126	Expected		1.00	2.00	1.00	2.00	1.00	1.00		2.00	1.00		1.00	2.00	1.00			1.00	1.00
	Actual		1.03	2.00	0.40 ^b	1.97	1.12	1.18		1.95	0.93		1.10	2.00	0.90			1.18	0.97
106 of 126	Expected			4.00		2.00	0.00	1.00	1.00	1.00	1.00		1.00	2.00	2.00				2.00
	Actual			3.98		1.88	0.00	1.08	1.07	1.07	1.06		1.07	2.01	2.06				2.00
107 of 126	Expected	2.00		2.00		2.00		1.00	2.00		1.00	1.00		1.00	2.00				3.00
	Actual	2.00		2.05		1.99		1.08	1.14 ^c		0.92	1.08		1.10	2.00				2.08 ^c
108 of 126	Expected	3.00		3.00		1.00	1.00	1.00	1.00		1.00	1.00		2.00	1.00				2.00
	Actual	3.00		2.89		0.98	1.12	1.08	0.48 ^c		0.97	1.05		1.98	1.04				1.41 ^c
109 of 126	Expected	3.00		2.00		1.00	1.00	1.00	1.00		1.00	2.00		2.00				1.00	2.00
	Actual	2.91		1.88		1.02	1.05	1.09	0.48 ^c		0.96	2.03		2.00				1.05	1.40 ^c
110 of 126	Expected	3.00		2.00		1.00	1.00	1.00			1.00	1.00		1.00	1.00	2.00	1.00	1.00	1.00
	Actual	2.91		1.92		0.98	0.98	0.99			1.00	1.00		1.03	0.98	1.98	0.00 ^a	1.01	0.95
111 of 126	Expected	2.00	2.00	2.00		1.00		1.00			1.00			1.00	1.00	2.00	1.00	1.00	2.00
	Actual	2.10	2.08	1.93		0.95		0.92			1.06			1.00	1.00	1.87	0.00 ^a	1.03	1.98
112 of 126	Expected		2.00	2.00				1.00	1.00	1.00	1.00			1.00	3.00	3.00	1.00		1.00
	Actual		2.05	2.00				1.10	0.93	0.93	1.03			0.95	3.01	2.91	0.00 ^a		0.97
113 of 126	Expected		3.00	2.00		2.00	1.00		2.00	2.00	1.00			1.00	2.00	1.00			
	Actual		3.00	1.82		1.96	1.01		1.83	1.78	0.97			0.99	1.94	1.04			
114 of 126	Expected		1.00	2.00		5.00	1.00		2.00	2.00		1.00			1.00	1.00			1.00
	Actual		1.05	1.82		4.70	0.98		1.67	1.68		1.00			0.97	0.97			1.11
115 of 126	Expected		2.00	2.00	2.00	4.00	1.00		1.00	2.00		1.00	1.00						1.00
	Actual		1.95	1.83	0.84 ^b	4.00	1.06		0.87	1.66		0.95	1.04						1.00
116 of 126	Expected		1.00	1.00	2.00	4.00				1.00	1.00	1.00	3.00	1.00	1.00				1.00
	Actual		0.97	0.90	0.98 ^b	3.97				0.94	0.90	1.02	3.12	1.00	0.99				1.14
117 of 126	Expected		2.00	1.00	2.00	1.00				1.00	1.00		3.00	2.00	3.00				1.00
	Actual		2.04	0.91	0.97 ^b	0.90				0.97	0.91		3.00	2.10	2.93				1.19
118 of 126	Expected		2.00				1.00		1.00		1.00	1.00	2.00	2.00	5.00			1.00	1.00
	Actual		2.01				0.97		0.88		0.90	1.00	2.04	2.01	4.73			1.00	0.86
119 of 126	Expected	1.00	2.00			1.00	1.00		1.00					2.00	1.00	4.00		1.00	3.00
	Actual	1.00	2.16			1.02	0.99		0.98					2.03	0.94	3.70		1.07	2.70
120 of 126	Expected	3.00	2.00	1.00		1.00	1.00		2.00			2.00			3.00				2.00
	Actual	3.00	2.09	1.05		0.89	0.99		1.78			2.00			2.83				1.91

Table 2 - Amino Acid Analysis

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)
121 of 126	Expected	3.00	3.00	2.00		2.00			2.00			1.00	1.00		2.00				1.00
	Actual	3.02	2.98	1.97		2.00			1.98			0.97	1.00		1.75				0.93
122 of 126	Expected	2.00	3.00	2.00		2.00	1.00		3.00			2.00	1.00		1.00				
	Actual	1.87	2.95	1.97		1.94	1.03		2.90			1.83	1.00		0.96				
123 of 126	Expected	1.00	1.00	1.00		4.00	1.00		3.00			2.00	1.00		1.00				
	Actual	0.99	1.05	0.95		3.98	1.05		2.88			1.98	0.97		0.97				
124 of 126	Expected	1.00	1.00		1.00	3.00			3.00			3.00	1.00		1.00	2.00			
	Actual	0.93	1.01		0.40 ^b	2.94			2.91			2.89	0.95	1.00	0.95	1.74			
125 of 126	Expected	1.00	2.00	1.00	1.00	3.00			2.00	1.00	1.00	1.00	1.00		1.00	2.00			
	Actual	1.00	1.98	0.96	0.41 ^b	2.83			1.80	1.03	1.02	0.97	1.00		0.98	1.85			
126 of 126	Expected		2.00	1.00	1.00	2.00			1.00	1.00	1.00				1.00	2.00			
	Actual		2.00	0.96	0.40 ^b	1.99			0.98	0.98	0.91				1.01	1.81			

^aTrp was completely destroyed during hydrolysis
^bCys was partially destroyed during hydrolysis
^cVal-Ile, Val-Val, Ile-Ile and/or Ile-Val bonds were only partially destroyed during hydrolysis

Date: 19 JUL 2006

Signature: Signature on File

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