

Peptide Array, Influenza Virus A/New York/348/2003 (H1N1) PB2 Protein

Catalog No. NR-2616

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Product Description: A 126-peptide array spanning the PB2 protein of the A/New York/348/2003 (H1N1) strain of influenza virus (GenBank: ABA12739). Peptides are 16- to 17-mers, with 11 or 12 amino acid overlaps.

Lot: N36-1 to N36-126

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	1/30/2006	17	1 MERIKELRNLMQSQRTR 17	2148.56	-1.31	95.5%	78.0%
2 of 126	1/30/2006	17	7 LRNLMSQSRTREILTKT 23	2047.43	-0.81	85.8%	74.0%
3 of 126	1/30/2006	17	12 SQSRTREILTKTTVDHM 28	2003.28	-0.98	97.9%	73.0%
4 of 126	1/30/2006	17	18 EILTKTTVDHMAIKKY 34	2004.44	-0.01	97.8%	78.0%
5 of 126	1/30/2006	17	24 TVDHMAIKKYTSGRQE 40	1977.29	-0.76	99.5%	73.0%
6 of 126	1/30/2006	17	30 IIKKYTSGRQEKNP SLR 46	2018.36	-1.41	98.8%	71.0%
7 of 126	1/30/2006	17	36 SGRQEKNP SLRMK WMM 52	2050.47	-1.21	96.3%	79.0%
8 of 126	1/30/2006	17	42 NP SLRMK WMMAMK YPIT 58	2098.66	-0.29	83.2%	84.0%
9 of 126	1/30/2006	17	48 KWMMAMK YPITADKRIT 64	2084.61	-0.39	98.5%	78.0%
10 of 126	1/30/2006	17	54 KYPITADKRITMIPER 70	2061.45	-0.94	98.9%	70.0%
11 of 126	1/30/2006	17	60 DKRITMIPERNEQQQT 76	2045.28	-1.76	96.6%	77.0%
12 of 126	1/30/2006	17	66 MIPERNEQQQLW SKVN 82	2030.31	-1.14	93.0%	82.0%
13 of 126	1/30/2006	17	72 EQGQLW SKVNDAGSDR 88	1981.00	-1.39	99.9%	82.0%
14 of 126	1/30/2006	17	78 WSKVNDAGSDRVMISPL 94	1875.15	-0.22	97.3%	74.0%
15 of 126	1/30/2006	17	84 AGSDRVMISPLAVTWWN 100	1903.21	0.27	96.5%	84.0%
16 of 126	1/30/2006	17	90 MISPLAVTWWNRNGPVA 106	1912.26	0.22	95.8%	83.0%
17 of 126	1/30/2006	17	96 VTWWNRNGPVANTIHYP 112	2025.27	-0.68	96.4%	74.0%
18 of 126	1/30/2006	17	102 NGPVANTIHYPKIYKTY 118	1979.28	-0.70	95.3%	77.0%
19 of 126	1/30/2006	17	108 TIHYPKIYKTYFEKVER 124	2215.60	-1.02	99.0%	76.0%
20 of 126	1/30/2006	17	114 IYKTYFEKVERLKHGTF 130	2159.54	-0.75	99.0%	74.0%
21 of 126	1/30/2006	17	120 EKVERLKHGTFGPVHFR 136	2037.37	-0.91	99.8%	72.0%
22 of 126	1/30/2006	17	126 KHGTFGPVHFRNQVKIR 142	2021.38	-0.87	99.0%	71.0%
23 of 126	1/30/2006	17	132 PVHFRNQVKIRRRVDIN 148	2147.54	-0.96	95.8%	69.0%
24 of 126	1/30/2006	17	137 NQVKIRRRVDINPGHAD 153	1988.26	-1.23	96.6%	71.0%
25 of 126	1/30/2006	17	143 RRVNDINPGHADLSAKEA 159	1849.05	-0.88	98.9%	77.0%
26 of 126	1/30/2006	17	149 PGHADLSAKEAQDVIME 165	1811.02	-0.45	96.2%	75.0%
27 of 126	1/30/2006	17	155 SAKEAQDVIMEVVPNE 171	1906.16	-0.11	92.2%	75.0%
28 of 126	1/30/2006	17	161 DVIMEVVPNEVGARIL 177	1901.27	0.92	93.0%	69.0%
29 of 126	1/30/2006	17	167 VFPNEVGARILTSESQL 183	1860.11	0.14	94.9%	69.0%
30 of 126	1/30/2006	17	173 GARILTSESQLTITKEK 189	1875.17	-0.05	87.6%	78.0%

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Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
31 of 126	1/30/2006	17	179 SESQLTITKEKKEELQN 195	2005.23	-1.59	96.0%	70.0%
32 of 126	1/30/2006	17	185 ITKEKKEELQNCKISPL 201	2001.39	-1.01	91.7%	73.0%
33 of 126	1/30/2006	17	191 EELQNCKISPLMVAYML 207	1982.43	0.39	83.4%	83.0%
34 of 126	1/30/2006	17	197 KISPLMVAYMLERELVR 213	2048.56	0.37	95.9%	73.0%
35 of 126	1/30/2006	17	203 VAYMLERELVRKTRFLP 219	2121.60	-0.10	94.8%	78.0%
36 of 126	1/30/2006	17	209 RELVRKTRFLPVAGGTS 225	1887.23	-0.29	97.1%	81.0%
37 of 126	1/30/2006	17	215 TRFLPVAGGTSSVYIEV 231	1796.07	0.64	85.5%	76.0%
38 of 126	1/30/2006	17	221 AGGTSSVYIEVLHLTQG 237	1731.94	0.39	95.9%	69.0%
39 of 126	1/30/2006	17	227 VYIEVLHLTQGTQWEQM 243	2050.40	0.22	91.7%	70.0%
40 of 126	1/30/2006	17	233 HLTQGTQWEQMYTPGGE 249	1938.14	-0.95	98.4%	71.0%
41 of 126	1/30/2006	17	239 CWEQMYTPGGEVRNDDV 255	1999.18	-1.06	98.4%	82.0%
42 of 126	1/30/2006	17	245 TPGGEVRNDDVQSLII 261	1827.98	-0.48	91.5%	81.0%
43 of 126	1/30/2006	17	251 RNDDVDQSLIIAARNIV 267	1912.15	-0.09	80.3%	78.0%
44 of 126	1/30/2006	17	256 DQSLIIAARNIVRRAAV 272	1866.21	0.48	92.8%	74.0%
45 of 126	1/30/2006	17	262 AARNIVRRAAVSADPLA 278	1751.04	0.27	82.2%	82.0%
46 of 126	1/30/2006	16	268 RRAAVSADPLASLLEM 283	1700.00	0.34	90.8%	83.0%
47 of 126	1/30/2006	17	273 SADPLASLLEMCHSTQI 289	1816.10	0.32	98.1%	79.0%
48 of 126	1/30/2006	17	279 SLEEMCHSTQIGGTRMV 295	1863.22	0.24	98.4%	82.0%
49 of 126	1/30/2006	17	285 HSTQIGGTRMVDILRQN 301	1926.20	-0.61	91.1%	77.0%
50 of 126	1/30/2006	17	291 GTRMVDILRQNPTTEEA 307	1958.20	-1.01	98.2%	82.0%
51 of 126	1/30/2006	17	297 ILRQNPTTEEAQVDICKA 313	1928.21	-0.51	94.1%	81.0%
52 of 126	1/30/2006	17	303 TEEQAQVDICKAAMGLRI 319	1848.19	0.19	93.6%	85.0%
53 of 126	1/30/2006	17	309 DICKAAMGLRISSSFSF 325	1833.17	0.64	93.7%	84.0%
54 of 126	1/30/2006	17	315 MGLRISSSFSFGGFTFK 331	1869.19	0.46	80.6%	86.0%
55 of 126	1/30/2006	17	321 SSFSGGFTFKRTSGSS 337	1786.93	-0.27	94.6%	79.0%
56 of 126	1/30/2006	17	327 GFTFKRTSGSSVKREEE 343	1945.14	-1.30	81.5%	74.0%
57 of 126	1/30/2006	17	333 TSGSSVKREEEVLGTGNL 349	1805.97	-0.65	87.6%	76.0%
58 of 126	1/30/2006	17	339 KREEEVLGTGNLQTLKLT 355	1972.29	-0.76	94.6%	84.0%
59 of 126	1/30/2006	17	345 LTGNLQTLKLVHEGYE 361	1916.18	-0.35	95.3%	75.0%
60 of 126	1/30/2006	17	351 TLKLVHEGYEFTMVG 367	1954.25	-0.06	87.6%	76.0%
61 of 126	1/30/2006	17	357 HEGYEEFTMVGKRATAI 373	1939.19	-0.51	98.6%	76.0%
62 of 126	1/30/2006	17	363 FTMVGKRATAILRKATR 379	1920.37	-0.07	99.8%	73.0%
63 of 126	1/30/2006	17	369 RATAILRKATRRLIQLI 385	1993.49	0.21	99.3%	76.0%
64 of 126	1/30/2006	17	375 RKATRRLIQLIVSGRDE 391	2011.38	-0.69	98.9%	73.0%
65 of 126	1/30/2006	17	381 LIQLIVSGRDEQSIVEA 397	1870.15	0.43	91.4%	83.0%
66 of 126	1/30/2006	17	387 SGRDEQSIVEAIVVAMV 403	1803.08	0.64	91.5%	76.0%
67 of 126	1/30/2006	16	393 SIVEAIVVAMVFSQED 408	1737.02	1.16	Crude	81.0%
68 of 126	1/30/2006	17	398 IVVAMVFSQEDCMVKVA 414	1869.31	1.35	80.1%	79.0%
69 of 126	1/30/2006	17	404 FSQEDCMVKAVRGDLNF 420	1959.25	-0.18	95.1%	78.0%
70 of 126	1/30/2006	17	410 MVKAVRGDLNFVNANQ 426	1932.25	-0.36	84.8%	78.0%
71 of 126	1/30/2006	17	416 GDLNFVNANQRNLNPMH 432	1996.25	-0.99	90.3%	75.0%
72 of 126	1/30/2006	17	422 NRANQRNLNPMHQLLRHF 438	2145.50	-1.24	95.6%	74.0%
73 of 126	1/30/2006	17	428 LNPMLHQLLRHFQKDAKV 444	2075.48	-0.72	82.1%	71.0%
74 of 126	1/30/2006	17	434 LLRHFQKDAKVLFLNWG 450	2085.50	-0.03	94.5%	72.0%
75 of 126	1/30/2006	17	440 KDAKVLFLNWGIEHIDN 456	2012.31	-0.26	93.3%	77.0%
76 of 126	1/30/2006	17	446 FLNWGIEHIDNVGMIG 462	1946.29	0.52	95.0%	80.0%
77 of 126	1/30/2006	17	452 EHIDNVGMIGILPDMT 468	1886.25	0.41	99.1%	79.0%
78 of 126	1/30/2006	17	458 MGMIGILPDMTPSTEMS 474	1811.20	0.38	99.7%	75.0%
79 of 126	1/30/2006	17	464 LPDMTPSTEMSMRGVVRV 480	1907.28	-0.28	99.2%	82.0%
80 of 126	1/30/2006	17	470 STEMSMRGVVRVSKMGVD 486	1870.21	-0.32	99.3%	76.0%
81 of 126	1/30/2006	17	476 RGVVRVSKMGVDEYSNAE 492	1897.11	-0.84	99.3%	74.0%
82 of 126	1/30/2006	17	482 KMGVDEYSNAERVVVSI 498	1896.17	-0.04	97.9%	80.0%
83 of 126	1/30/2006	17	488 YSNAERVVVVIDRFLRV 504	2023.34	0.16	96.0%	81.0%
84 of 126	1/30/2006	17	494 VVVVIDRFLRVDRQRGN 510	2029.35	-0.31	81.6%	77.0%
85 of 126	1/30/2006	17	500 RFLRVDRQRGNVLLSPE 516	2055.39	-0.72	95.8%	78.0%

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86 of 126	1/30/2006	17	506 DQRGNVLLSPEEVSETQ 522	1901.03	-1.02	90.0%	82.0%
87 of 126	1/30/2006	17	512 LLSPEEVSETQGTEKLT 528	1861.05	-0.68	84.9%	80.0%
88 of 126	1/30/2006	17	518 VSETQGTEKLTITYSSS 534	1830.98	-0.56	87.0%	76.0%
89 of 126	1/30/2006	17	524 TEKLTITYSSSMMWEIN 540	2034.35	-0.26	Crude	81.0%
90 of 126	1/30/2006	17	530 TYSSSMMWEINGPESVL 546	1931.19	-0.14	82.2%	67.0%
91 of 126	1/30/2006	17	536 MWEINGPESVLINTYQW 552	2080.36	-0.31	84.7%	70.0%
92 of 126	1/30/2006	17	542 PESVLINTYQWIIRNWE 558	2161.46	-0.39	85.7%	73.0%
93 of 126	1/30/2006	17	548 NTYQWIIRNWETVKIQW 564	2278.62	-0.80	82.6%	72.0%
94 of 126	1/30/2006	17	554 IRNWETVKIQWSQNPTM 570	2131.46	-0.96	81.1%	74.0%
95 of 126	1/30/2006	17	560 VKIQWSQNPTMLYNKME 576	2110.50	-0.84	94.6%	71.0%
96 of 126	1/30/2006	17	565 SQNPTMLYNKMEFEPFQ 581	2104.41	-1.04	83.3%	79.0%
97 of 126	1/30/2006	17	571 LYNKMEFEPFQSLVPKA 587	2041.42	-0.35	89.2%	82.0%
98 of 126	1/30/2006	17	577 FEPFQSLVPKAIRGQYS 593	1967.27	-0.32	86.2%	81.0%
99 of 126	1/30/2006	17	583 LVPKAIRGQYSGFVRTL 599	1905.29	0.21	84.6%	76.0%
100 of 126	1/30/2006	17	589 RGQYSGFVRTLFQQMRD 605	2089.38	-0.92	85.0%	76.0%
101 of 126	1/30/2006	17	595 FVRTLFQQMRDVLGTFD 611	2073.42	0.09	96.2%	70.0%
102 of 126	1/30/2006	17	600 FQQMRDVLGTFDTTQII 616	2013.32	0.00	82.8%	80.0%
103 of 126	1/30/2006	17	606 VLGTFDTTQIIKLLPFA 622	1877.27	1.00	99.3%	82.0%
104 of 126	1/30/2006	17	612 TTQIIKLLPFAAAPPKQ 628	1837.25	0.22	92.2%	82.0%
105 of 126	1/30/2006	17	618 LLPFAAAPPKQSRMQFS 634	1889.27	-0.08	85.2%	82.0%
106 of 126	1/30/2006	17	624 APPKQSRMQFSLLTVNV 640	1890.21	-0.38	91.6%	72.0%
107 of 126	1/30/2006	17	630 RMQFSSLTVNVRGSGMR 646	1926.27	-0.33	81.0%	81.0%
108 of 126	1/30/2006	17	636 LTVNVRGSGMRILVRGN 652	1842.21	0.20	89.0%	75.0%
109 of 126	1/30/2006	17	642 GSGMRILVRGNSPVFNY 658	1867.18	-0.02	83.2%	80.0%
110 of 126	1/30/2006	17	648 LVRGNSPVFNYNKTTR 664	1994.30	-1.05	84.8%	79.0%
111 of 126	1/30/2006	17	654 PVFNYNKTTKRLTILGK 670	1993.40	-0.56	87.4%	80.0%
112 of 126	1/30/2006	17	660 KTKRLTILGKDAGTLT 676	1817.18	-0.37	82.9%	72.0%
113 of 126	1/30/2006	17	666 TILGKDAGLTEDPDEG 682	1731.85	-0.73	90.8%	74.0%
114 of 126	1/30/2006	17	672 AGTLTDPDEGTAGVES 688	1648.67	-0.68	86.8%	77.0%
115 of 126	1/30/2006	17	678 DPDEGTAGVESAVLRGF 694	1719.84	-0.25	80.5%	83.0%
116 of 126	1/30/2006	17	684 AGVESAVLRGFLILGKE 700	1759.09	0.78	80.9%	80.0%
117 of 126	1/30/2006	17	690 VLRGFLILGKEDRRYGP 706	1989.37	-0.33	80.7%	81.0%
118 of 126	1/30/2006	17	696 ILGKEDRRYGPALSINE 712	1931.20	-0.76	90.2%	80.0%
119 of 126	1/30/2006	17	702 RRYGPALSINELSNLAK 718	1902.20	-0.52	87.1%	79.0%
120 of 126	1/30/2006	17	708 LSINELSNLAKGEKANV 724	1800.06	-0.21	88.2%	83.0%
121 of 126	1/30/2006	17	714 SNLAKGEKANVLIGQGD 730	1713.92	-0.44	81.9%	81.0%
122 of 126	1/30/2006	17	720 EKANVLIGQGDVVLVMK 736	1813.21	0.59	85.1%	79.0%
123 of 126	1/30/2006	17	726 IGQGDVVLVMKRKRDS 742	1888.24	-0.41	93.7%	82.0%
124 of 126	1/30/2006	17	732 VLVMKRKRDSILTDSQ 748	1976.34	-0.47	84.6%	79.0%
125 of 126	1/30/2006	17	738 KRDSILTDSQTATKRI 754	1920.17	-1.01	93.8%	77.0%
126 of 126	1/30/2006	16	744 LTDSQTATKRIRMAIN 759	1819.13	-0.50	95.7%	79.0%

^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		4.00	1.00		3.00			1.00	2.00	1.00	2.00			2.00	1.00			
	Actual		3.91	1.07		3.04			0.87	1.87	0.97	2.06			2.00	0.98			
2 of 126	Expected		3.00	1.00		2.00			1.00	3.00	1.00	1.00			2.00	3.00			
	Actual		2.90	0.92		2.03			0.98	2.89	0.95	1.02			2.02	3.00			
3 of 126	Expected		2.00	1.00		2.00		1.00	1.00	1.00	1.00	1.00			2.00	4.00			1.00
	Actual		1.93	1.01		2.00		0.85	0.90	0.84	1.11	0.87			1.93	3.84			0.93
4 of 126	Expected	1.00		1.00		1.00		1.00	3.00	1.00	3.00	1.00				3.00		1.00	1.00
	Actual	0.80		0.83		1.03		0.86	1.67 ^a	0.90	2.87	0.96				2.95		1.00	0.89
5 of 126	Expected	1.00	1.00	1.00		2.00	1.00	1.00	2.00		2.00	1.00			1.00	2.00		1.00	1.00
	Actual	1.03	1.06	0.80		2.00	1.06	0.89	0.93 ^a		1.96	0.89			1.00	1.90		1.03	0.81
6 of 126	Expected		2.00	1.00		2.00	1.00		2.00	1.00	3.00			1.00	2.00	1.00			1.00
	Actual		2.09	1.08		1.89	1.06		0.89 ^a	0.86	2.95			1.09	2.00	1.07			0.89
7 of 126	Expected	1.00	2.00	1.00		2.00	1.00			1.00	2.00	3.00		1.00	2.00		1.00		
	Actual	0.92	2.00	1.05		1.93	1.00			0.89	1.97	2.93		1.09	1.95		0.00 ^b		
8 of 126	Expected	1.00	1.00	1.00					1.00	1.00	2.00	4.00		2.00	1.00	1.00	1.00	1.00	
	Actual	0.93	0.95	0.98					0.89	0.90	1.97	3.92		2.00	0.92	0.96	0.00 ^b	0.99	
9 of 126	Expected	2.00	1.00	1.00					2.00		3.00	3.00		1.00		2.00	1.00	1.00	
	Actual	1.81	0.92	0.98					1.80		2.84	3.02		0.85		1.95	0.00 ^b	0.98	
10 of 126	Expected	1.00	2.00	1.00		2.00			3.00		2.00	1.00		2.00		2.00			1.00
	Actual	1.10	2.05	1.05		2.00			2.89		2.06	1.05		2.05		2.02			0.97
11 of 126	Expected		2.00	2.00		5.00	1.00		2.00		1.00	1.00		1.00		2.00			
	Actual		1.96	2.04		5.07	1.11		1.97		1.01	0.92		0.92		2.00			
12 of 126	Expected		1.00	2.00		4.00	1.00		1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00		1.00
	Actual		1.06	1.93		4.00	0.97		0.93	0.93	1.00	1.02		0.97	0.92	0.93	0.00 ^b		0.95
13 of 126	Expected	1.00	1.00	3.00		3.00	2.00			1.00	1.00				2.00	1.00	1.00		1.00
	Actual	1.11	1.02	2.88		3.00	2.04			0.89	0.91				1.99	0.83	0.00 ^b		0.82
14 of 126	Expected	1.00	1.00	3.00			1.00		1.00	1.00	1.00	1.00		1.00	3.00		1.00		2.00
	Actual	0.89	0.93	2.86			0.94		0.90	1.00	0.94	0.90		0.82	2.89		0.00 ^b		0.89
15 of 126	Expected	2.00	1.00	2.00			1.00		1.00	1.00		1.00		1.00	2.00	1.00	2.00		2.00
	Actual	2.00	1.00	1.93			0.97		1.00	1.06		0.92		0.94	2.06	0.81	0.00 ^b		1.92
16 of 126	Expected	2.00	1.00	2.00			1.00		1.00	1.00		1.00		2.00	1.00	1.00	2.00		2.00
	Actual	1.90	0.93	1.91			0.89		0.97	1.10		1.08		2.00	0.99	0.99	0.00 ^b		1.92
17 of 126	Expected	1.00	1.00	3.00			1.00	1.00	1.00					2.02		2.00	2.00	1.00	2.00
	Actual	0.95	0.99	2.94			0.95	0.97	0.94					1.98		1.92	0.00 ^b	0.97	1.87
18 of 126	Expected	1.00		2.00			1.00	1.00	2.00		2.00			2.00		2.00		3.00	1.00
	Actual	0.97		2.02			1.03	0.91	1.85		1.92			1.92		1.89		2.84	0.84
19 of 126	Expected		1.00			2.00			2.00		3.00		1.00	1.00		2.00			3.00
	Actual		1.00			2.00		0.82	1.89		2.87		1.08	1.08		1.86		2.89	0.90
20 of 126	Expected		1.00			2.00	1.00	1.00	1.00	1.00	3.00		2.00			2.00		2.00	1.00
	Actual		0.92			1.88	0.98	0.93	0.85	0.91	2.86		2.00			1.88		1.92	0.86
21 of 126	Expected		2.00			2.00	2.00	2.00		1.00	2.00		2.00	1.00		1.00			2.00
	Actual		1.91			2.04	1.88	1.93		0.88	1.91		1.97	1.00		0.95			1.86
22 of 126	Expected		2.00	1.00		1.00	2.00	2.00	1.00		2.00		2.00	1.00		1.00			2.00
	Actual		1.96	0.97		0.95	2.00	1.93	0.90		1.95		1.82	1.03		0.94			1.93
23 of 126	Expected		4.00	3.00		1.00		1.00	2.00		1.00		1.00	1.00					3.00
	Actual		3.89	3.00		1.03		0.94	1.90		1.02		1.01	1.09					2.93
24 of 126	Expected	1.00	3.00	4.00		1.00	1.00	1.00	2.00		1.00			1.00					2.00
	Actual	0.92	2.94	4.00		1.07	0.86	0.87	1.94		0.89			1.05					1.82
25 of 126	Expected	3.00	2.00	3.00		1.00	1.00	1.00	1.00	1.00	1.00			1.00	1.00				1.00
	Actual	3.00	1.86	2.96		0.92	1.07	1.06	0.93	1.04	0.93			1.07	0.98				0.90
26 of 126	Expected	3.00		2.00		3.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00				1.00
	Actual	3.07		2.02		3.00	1.09	1.16	0.50 ^a	1.03	0.81	0.89		1.05	1.16				0.58 ^a
27 of 126	Expected	2.00		2.00		4.00			1.00		1.00	1.00	1.00	1.00	1.00				3.00
	Actual	2.11		1.84		3.83			0.59 ^a		1.18	0.91	0.92	1.00	1.03				1.13 ^a
28 of 126	Expected	1.00	1.00	2.00		2.00	1.00		2.00	1.00		1.00	1.00	1.00					4.00
	Actual	1.00	0.94	1.88		1.81	0.83		1.41 ^a	0.89		0.88	0.92	0.92					1.74 ^a
29 of 126	Expected	1.00	1.00	1.00		3.00	1.00		1.00	2.00			1.00	1.00	2.00	1.00			2.00
	Actual	0.97	0.85	0.98		3.00	1.00		0.95	1.92			0.91	1.18	2.02	1.05			1.94
30 of 126	Expected	1.00	1.00			3.00	1.00		2.00	2.00	2.00				2.00	3.00			
	Actual	1.06	0.97			3.00	1.08		1.90	1.92	2.06				2.01	2.92			

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			1.00		6.00			1.00	2.00	3.00				2.00	2.00			
	Actual			1.02		5.87			0.91	2.07	2.95				1.84	1.93			
32 of 126	Expected			1.00	1.00	4.00			2.00	2.00	4.00			1.00	1.00	1.00			
	Actual			1.02	0.64 ^c	3.94			1.93	2.00	3.96			0.98	0.96	0.93			
33 of 126	Expected	1.00		1.00	1.00	3.00			1.00	3.00	1.00	2.00		1.00	1.00			1.00	1.00
	Actual	0.90		0.81	0.59 ^f	2.88			0.91	2.89	0.94	1.85		1.00	0.92			0.93	0.90
34 of 126	Expected	1.00	2.00			2.00			1.00	3.00	1.00	2.00		1.00	1.00			1.00	2.00
	Actual	0.83	2.00			1.98			0.87	2.83	0.93	2.02		0.92	0.89			0.99	1.88
35 of 126	Expected	1.00	3.00			2.00				3.00	1.00	1.00	1.00	1.00		1.00		1.00	2.00
	Actual	0.92	3.04			1.95				2.93	0.97	0.97	0.95	1.00		0.89		0.98	1.88
36 of 126	Expected	1.00	3.00			1.00	2.00			2.00	1.00		1.00	1.00	1.00	2.00			2.00
	Actual	0.92	2.94			0.99	2.00			1.82	1.05		0.98	0.97	0.91	1.90			1.94
37 of 126	Expected	1.00	1.00			1.00	2.00		1.00	1.00				1.00	1.00	2.00	2.00	1.00	3.00
	Actual	0.83	1.00			0.86	2.07		0.97	1.05			1.11	1.06	2.00	2.10		0.90	2.90
38 of 126	Expected	1.00				2.00	3.00	1.00	1.00	2.00					2.00	2.00		1.00	2.00
	Actual	0.97				1.97	3.05	1.03	0.91	1.92					1.94	2.00		0.95	1.84
39 of 126	Expected				1.00	4.00	1.00	1.00	1.00	2.00		1.00				2.00	1.00	1.00	2.00
	Actual				0.51 ^c	4.00	1.07	1.09	0.88	1.90		1.05				1.92	0.00 ^b	0.93	1.87
40 of 126	Expected				1.00	4.00	3.00	1.00		1.00		1.00		1.00	3.00	1.00	1.00	1.00	
	Actual				0.54 ^c	4.00	2.86	1.08		1.16		0.97		0.81	2.97	0.00 ^b	0.94		
41 of 126	Expected		1.00	3.00	1.00	3.00	2.00					1.00		1.00		1.00	1.00	1.00	2.00
	Actual		0.93	3.00	0.57 ^c	3.08	2.10					1.07		1.00		1.01	0.00 ^b	1.00	1.83
42 of 126	Expected		1.00	4.00		2.00	2.00		2.00	1.00				1.00	1.00	1.00			2.00
	Actual		0.93	4.04		2.09	2.10		0.88 ^a	1.00				1.01	1.15	1.06			1.92
43 of 126	Expected	2.00	2.00	5.00		1.00			3.00	1.00					1.00				2.00
	Actual	2.00	1.87	4.86		1.12			1.47 ^a	1.04					1.03				1.63 ^a
44 of 126	Expected	4.00	3.00	2.00		1.00			3.00	1.00					1.00				2.00
	Actual	3.93	3.00	1.94		0.86			1.02 ^a	1.03					0.88				1.56 ^a
45 of 126	Expected	6.00	3.00	2.00					1.00	1.00				1.00	1.00				2.00
	Actual	5.84	3.05	2.00					0.57 ^a	1.05				1.01	1.02				1.62 ^a
46 of 126	Expected	4.00	2.00	1.00		1.00				3.00		1.00		1.00	2.00				1.00
	Actual	3.87	1.99	0.99		1.00				3.01		1.05		1.00	1.97				0.97
47 of 126	Expected	2.00		1.00	1.00	2.00		1.00	1.00	3.00		1.00		1.00	3.00	1.00			
	Actual	1.89		0.99	0.57 ^c	2.00		1.04	0.98	2.82		1.05		0.89	2.86	0.93			
48 of 126	Expected		1.00		1.00	2.00	2.00	1.00	1.00	2.00		2.00			2.00	2.00			1.00
	Actual		1.00		0.53 ^c	1.97	1.87	0.97	0.88	1.90		2.01			1.97	1.94			0.92
49 of 126	Expected		2.00	2.00		2.00	2.00	1.00	2.00	1.00		1.00			1.00	2.00			1.00
	Actual		2.00	2.01		2.00	1.99	1.07	1.84	0.90		0.93			0.96	1.91			0.97
50 of 126	Expected	1.00	2.00	2.00		4.00	1.00		1.00	1.00		1.00		1.00	2.00				1.00
	Actual	0.88	1.92	1.91		3.83	1.08		0.98	0.96		1.03		1.00	1.87				1.01
51 of 126	Expected	2.00	1.00	2.00	1.00	4.00			2.00	1.00	1.00			1.00	1.00				1.00
	Actual	1.94	1.10	1.99	0.55 ^c	3.84			1.92	0.90	1.03			1.02	0.93				1.00
52 of 126	Expected	3.00	1.00	1.00	1.00	3.00	1.00		2.00	1.00	1.00	1.00				1.00			1.00
	Actual	2.88	1.00	0.94	0.52 ^c	2.87	1.06		1.91	1.06	0.82	1.00				0.86			1.00
53 of 126	Expected	2.00	1.00	1.00	1.00		1.00		2.00	1.00	1.00	1.00	2.00		4.00				
	Actual	1.97	0.94	0.98	0.61 ^c		1.10		1.89	1.00	0.97	0.92	1.87		3.84				
54 of 126	Expected		1.00				3.00		1.00	1.00	1.00	1.00	4.00		4.00	1.00			
	Actual		1.01				3.13		0.90	1.07	1.00	1.12	3.94		4.01	0.93			
55 of 126	Expected		1.00				3.00				1.00		4.00		6.00	2.00			
	Actual		1.07				3.00				0.98		3.82		5.90	1.89			
56 of 126	Expected		2.00			3.00	2.00				2.00		2.00		3.00	2.00			1.00
	Actual		2.00			2.96	1.88				1.92		1.84		2.93	1.92			0.88
57 of 126	Expected		1.00	1.00		3.00	2.00			2.00	1.00				3.00	2.00			2.00
	Actual		1.00	0.94		2.91	1.98			1.88	0.89				2.94	1.91			1.83
58 of 126	Expected		1.00	1.00		4.00	1.00			4.00	2.00					3.00			1.00
	Actual		0.90	0.95		4.00	0.99			3.94	1.82					2.92			0.86
59 of 126	Expected			1.00		3.00	2.00	1.00		4.00	1.00					3.00		1.00	1.00
	Actual			0.83		2.89	2.00	0.81		3.95	1.11					2.90		0.99	0.89
60 of 126	Expected					3.00	2.00	1.00		2.00	1.00	1.00	1.00			3.00		1.00	2.00
	Actual					2.99	1.89	0.95		1.87	1.02	1.00	0.99			2.85		0.90	1.93

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	2.00	1.00	1.00		1.00	1.00	1.00			2.00		1.00	1.00
	Actual	1.87	1.08			2.90	2.07	1.07	1.00		0.88	1.01	1.00			1.91		0.93	0.85
62 of 126	Expected	3.00	3.00				1.00		1.00	1.00	2.00	1.00	1.00			3.00			1.00
	Actual	3.00	2.98				1.07		0.89	0.82	1.94	0.87	0.93			2.94			0.90
63 of 126	Expected	3.00	4.00			1.00			3.00	3.00	1.00					2.00			
	Actual	2.94	4.00			0.86			1.98	2.91	0.89					1.94			
64 of 126	Expected	1.00	4.00	1.00		2.00	1.00		2.00	2.00	1.00				1.00	1.00			1.00
	Actual	0.94	3.90	0.89		1.94	1.00		0.45 ^a	1.89	0.98				0.92	0.96			0.49 ^a
65 of 126	Expected	1.00	1.00	1.00		4.00	1.00		3.00	2.00					2.00				2.00
	Actual	1.00	0.96	1.10		3.98	1.13		0.95 ^a	1.86					1.83				0.60 ^a
66 of 126	Expected	2.00	1.00	1.00		3.00	1.00		2.00			1.00			2.00				4.00
	Actual	2.10	0.83	1.15		3.00	1.03		1.38 ^a			0.96			1.92				2.37 ^a
67 of 126	Expected	2.00		1.00		3.00			2.00			1.00	1.00		2.00				4.00
	Actual	0.94		1.00		3.03			0.49 ^a			0.51	0.67		2.04				1.03 ^a
68 of 126	Expected	2.00		1.00	1.00	2.00			1.00		1.00	2.00	1.00		1.00				5.00
	Actual	2.00		1.10	0.53 ^c	2.08			0.47 ^a		0.98	1.93	0.95		1.08				3.43 ^a
69 of 126	Expected	1.00	1.00	3.00	1.00	2.00	1.00			1.00	1.00	1.00	2.00		1.00				2.00
	Actual	0.89	0.86	2.95	0.47 ^c	1.91	1.00			1.01	0.93	0.92	1.88		0.89				1.83
70 of 126	Expected	2.00	2.00	4.00		1.00	1.00			1.00	1.00	1.00	1.00						3.00
	Actual	1.93	2.00	3.95		0.91	1.09			1.04	0.96	1.09	0.92						2.88
71 of 126	Expected	1.00	2.00	5.00		1.00	1.00	1.00		2.00		1.00	1.00	1.00					1.00
	Actual	0.88	2.00	5.01		0.94	0.94	0.85		1.91		0.97	0.89	0.87					1.00
72 of 126	Expected	1.00	3.00	3.00		2.00		2.00		3.00		1.00	1.00	1.00					
	Actual	0.83	3.00	3.00		1.92		1.94		2.89		0.81	0.86	0.90					
73 of 126	Expected	1.00	1.00	2.00		2.00		2.00		3.00	2.00	1.00	1.00	1.00					1.00
	Actual	0.85	1.04	1.96		1.90		1.95		2.94	1.96	1.00	1.02	0.91					0.96
74 of 126	Expected	1.00	1.00	2.00		1.00	1.00	1.00		4.00	2.00		2.00				1.00		1.00
	Actual	1.06	1.05	1.89		0.89	1.00	0.90		3.84	1.93		2.09				0.00 ^b		0.92
75 of 126	Expected	1.00		4.00		1.00	1.00	1.00	2.00	2.00	2.00		1.00					1.00	1.00
	Actual	0.97		3.98		0.98	1.00	0.85	1.89	1.95	1.91		1.03					0.00 ^b	0.92
76 of 126	Expected			3.00		1.00	3.00	1.00	3.00	1.00		2.00	1.00					1.00	1.00
	Actual			3.09		1.00	3.07	1.11	2.96	1.04		2.09	1.07					0.00 ^b	1.02
77 of 126	Expected			3.00		1.00	2.00	1.00	3.00	1.00		3.00		1.00		1.00			1.00
	Actual			2.94		1.08	2.05	0.96	2.89	1.05		3.00		1.04		1.05			0.93
78 of 126	Expected			1.00		1.00	2.00		2.00	1.00		4.00		2.00	2.00	2.00			
	Actual			1.00		0.93	2.00		1.89	0.94		3.90		2.06	1.91	1.89			
79 of 126	Expected		2.00	1.00		1.00	1.00			1.00		3.00		2.00	2.00	2.00			2.00
	Actual		1.97	0.89		0.94	1.00			0.90		2.93		1.94	2.00	1.86			1.90
80 of 126	Expected		2.00	1.00		1.00	2.00				1.00	3.00			3.00	1.00			3.00
	Actual		1.95	0.82		0.92	2.00				0.86	2.89			2.87	0.92			2.92
81 of 126	Expected	1.00	2.00	2.00		2.00	2.00				1.00	1.00			2.00			1.00	3.00
	Actual	0.91	1.93	1.97		1.88	2.00				0.98	0.97			1.90			1.06	2.89
82 of 126	Expected	1.00	1.00	2.00		2.00	1.00		1.00		1.00	1.00			2.00			1.00	4.00
	Actual	1.10	1.11	1.97		1.89	1.04		0.94		0.95	1.04			2.00			1.14	2.37 ^a
83 of 126	Expected	1.00	3.00	2.00		1.00			1.00	1.00			1.00		2.00			1.00	4.00
	Actual	1.09	3.00	1.97		1.03			0.94	0.89			0.95		1.95			0.89	2.08 ^a
84 of 126	Expected		4.00	3.00		1.00	1.00		1.00	1.00			1.00		1.00				4.00
	Actual		4.00	2.89		0.91	0.92		0.82	0.94			1.17		1.10				1.96 ^a
85 of 126	Expected		4.00	2.00		2.00	1.00			3.00			1.00	1.00	1.00				2.00
	Actual		4.17	2.00		1.91	1.05			2.88			0.87	1.03	1.00				1.83
86 of 126	Expected		1.00	2.00		5.00	1.00			2.00				1.00	2.00	1.00			2.00
	Actual		1.18	2.00		4.90	1.19			1.84				1.02	1.89	0.94			1.91
87 of 126	Expected					5.00	1.00			3.00	1.00			1.00	2.00	3.00			1.00
	Actual					4.90	1.00			2.81	0.87			1.06	2.07	2.92			1.04
88 of 126	Expected					3.00	1.00		1.00	1.00	1.00				4.00	4.00		1.00	1.00
	Actual					2.95	1.16		0.94	0.95	0.97				4.00	3.88		0.93	0.85
89 of 126	Expected			1.00		2.00			2.00	1.00	1.00	2.00			3.00	3.00	1.00	1.00	
	Actual			1.00		1.71			1.43	1.00	1.03	2.12			3.06	2.43	0.00 ^b	1.05	
90 of 126	Expected			1.00		2.00	1.00		1.00	1.00				1.00	4.00	1.00	1.00	1.00	1.00
	Actual			0.98		1.91	0.99		0.93	0.87				2.09	1.09	4.00	0.92	0.00 ^b	0.90

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			2.00		3.00	1.00		2.00	1.00		1.00		1.00	1.00	1.00	2.00	1.00	1.00
	Actual			1.87		3.00	1.00		1.96	0.94		1.08		1.13	1.18	0.94	0.00 ^b	0.81	0.89
92 of 126	Expected		1.00	2.00		3.00			3.00	1.00				1.00	1.00	1.00	2.00	1.00	1.00
	Actual		0.98	1.84		3.00			1.68 ^a	0.93				0.93	0.92	0.93	0.00 ^b	1.02	0.92
93 of 126	Expected		1.00	2.00		3.00			3.00		1.00					2.00	3.00	1.00	1.00
	Actual		0.98	2.00		2.88			1.23 ^a		0.98					1.92	0.00 ^b	0.96	
94 of 126	Expected		1.00	2.00		3.00			2.00		1.00	1.00		1.00	1.00	2.00	2.00		1.00
	Actual		0.93	2.00		2.83			1.87		0.92	0.93		1.09	1.07	1.87	0.00 ^b		0.90
95 of 126	Expected			2.00		3.00			1.00	1.00	2.00	2.00		1.00	1.00	1.00	2.00	1.00	1.00
	Actual			2.00		2.98			0.82	0.96	1.92	1.95		0.96	0.94	0.92	0.00 ^b	0.92	0.95
96 of 126	Expected			2.00		4.00				1.00	1.00	2.00	2.00	2.00	1.00	1.00		1.00	
	Actual			2.00		3.97				1.00	0.81	1.94	1.98	2.13	0.88	0.92		0.94	
97 of 126	Expected	1.00		1.00		3.00				2.00	2.00	1.00	2.00	2.00	1.00			1.00	1.00
	Actual	0.91		1.00		3.00				1.83	1.85	1.08	1.94	1.93	1.00			0.99	0.92
98 of 126	Expected	1.00	1.00			3.00	1.00		1.00	1.00	1.00		2.00	2.00	2.00			1.00	1.00
	Actual	1.08	0.94			2.84	1.19		0.87	0.92	1.00		2.02	1.85	2.00			1.19	0.90
99 of 126	Expected	1.00	2.00			1.00	2.00		1.00	2.00	1.00		1.00	1.00	1.00	1.00		1.00	2.00
	Actual	0.97	1.89			0.90	2.00		0.92	1.95	0.87		0.82	0.92	1.01	0.88		1.04	1.83
100 of 126	Expected		3.00	1.00		3.00	2.00			1.00		1.00	2.00		1.00	1.00		1.00	1.00
	Actual		2.92	0.87		2.94	1.91			0.90		0.98	1.84		1.00	0.94		1.03	0.95
101 of 126	Expected		2.00	2.00		2.00	1.00			2.00		1.00	3.00			2.00			2.00
	Actual		2.00	1.89		1.89	1.00			1.83		0.99	2.95			1.92			1.88
102 of 126	Expected		1.00	2.00		3.00	1.00		2.00	1.00		1.00	2.00			3.00			1.00
	Actual		1.03	2.10		3.00	1.09		0.61 ^a	0.82			1.13	2.04		3.00			0.89
103 of 126	Expected	1.00		1.00		1.00	1.00		2.00	3.00	1.00		2.00	1.00		3.00			1.00
	Actual	1.00		1.09		0.91	1.12		0.68 ^a	2.88	0.99		2.06	0.90		2.87			0.83
104 of 126	Expected	3.00				2.00			2.00	2.00	2.00		1.00	3.00		2.00			
	Actual	3.02				2.00			0.51 ^a	1.94	1.84		1.01	2.88		1.85			
105 of 126	Expected	3.00	1.00			2.00				2.00	1.00	1.00	2.00	3.00	2.00				
	Actual	2.92	1.04			1.98				1.87	0.94	1.00	1.92	2.93	1.93				
106 of 126	Expected	1.00	1.00	1.00		2.00				1.00	1.00	1.00	1.00	2.00	3.00	1.00			2.00
	Actual	0.86	0.95	0.98		1.85				0.84	0.90	1.00	0.81	1.88	2.92	0.92			1.95
107 of 126	Expected		3.00	1.00		1.00	2.00			1.00		2.00	1.00		3.00	1.00			2.00
	Actual		3.00	0.94		0.94	2.14			1.03		1.97	1.18		2.81	0.87			1.88
108 of 126	Expected		3.00	2.00			3.00		1.00	2.00		1.00			1.00	1.00			3.00
	Actual		2.92	1.85			2.94		0.90	1.85		0.96			1.00	0.98			2.81
109 of 126	Expected		2.00	2.00			3.00		1.00	1.00		1.00	1.00	1.00	2.00			1.00	2.00
	Actual		1.95	1.87			2.81		0.88	0.95		0.97	0.83	0.99	1.93			1.00	1.95
110 of 126	Expected		2.00	3.00			1.00			1.00	2.00		1.00	1.00	1.00	2.00			1.00
	Actual		2.00	2.90			1.00			0.83	1.84		0.91	0.98	1.01	1.89		1.05	1.91
111 of 126	Expected		1.00	2.00			1.00		1.00	2.00	3.00		1.00	1.00		3.00		1.00	1.00
	Actual		1.07	2.00			0.88		0.93	1.91	2.89		0.81	1.10		2.95		1.04	0.88
112 of 126	Expected	1.00	1.00	1.00			2.00		1.00	3.00	3.00					5.00			
	Actual	0.98	0.99	0.85			2.00		0.90	2.93	2.81					4.87			
113 of 126	Expected	1.00		3.00		2.00	3.00		1.00	2.00	1.00			1.00		3.00			
	Actual	1.00		3.00		1.80	2.92		0.93	1.91	0.99			1.13		2.85			
114 of 126	Expected	2.00		2.00		3.00	3.00			1.00				1.00	1.00	3.00			1.00
	Actual	1.92		1.89		2.92	3.00			0.96				1.07	0.91	2.91			0.90
115 of 126	Expected	2.00	1.00	2.00		2.00	3.00			1.00			1.00	1.00	1.00	1.00			2.00
	Actual	2.00	1.00	2.14		1.98	2.98			0.90			1.00	1.04	1.03	0.90			1.94
116 of 126	Expected	2.00	1.00			2.00	3.00		1.00	3.00	1.00		1.00		1.00				2.00
	Actual	2.09	1.03			1.91	3.00		0.95	2.86	0.91		0.93		1.00				1.91
117 of 126	Expected		3.00	1.00		1.00	3.00		1.00	3.00	1.00		1.00	1.00				1.00	1.00
	Actual		2.98	0.90		0.88	2.89		0.90	2.85	0.93		0.91	1.00				1.02	0.96
118 of 126	Expected	1.00	2.00	2.00		2.00	2.00		2.00	2.00	1.00			1.00	1.00			1.00	
	Actual	0.98	1.92	1.96		1.88	2.00		1.88	1.84	0.97			1.04	0.84			1.01	
119 of 126	Expected	2.00	2.00	2.00		1.00	1.00		1.00	3.00	1.00			1.00	2.00			1.00	
	Actual	1.91	2.09	1.99		0.87	1.06		0.96	2.94	1.00			0.97	2.05			1.01	
120 of 126	Expected	2.00		3.00		2.00	1.00		1.00	3.00	2.00				2.00				1.00
	Actual	2.00		2.93		1.92	0.96		0.89	2.87	1.95				1.93				1.01

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	2.00		3.00		2.00	3.00		1.00	2.00	2.00				1.00				1.00
	Actual	2.17		2.98		2.00	2.96		0.93	1.85	1.99				1.18				0.93
122 of 126	Expected	1.00		2.00		2.00	2.00		1.00	2.00	2.00	1.00							4.00
	Actual	1.12		2.05		2.00	1.80		1.10	1.93	2.00	0.96							2.45 ^a
123 of 126	Expected		2.00	2.00		1.00	2.00		1.00	1.00	2.00	1.00			2.00				3.00
	Actual		2.03	1.93		1.00	1.88		0.90	0.88	1.82	0.92			1.83				1.41 ^a
124 of 126	Expected		2.00	2.00		1.00			1.00	2.00	2.00	1.00			3.00	1.00			2.00
	Actual		2.03	1.99		1.00			0.92	1.90	2.01	0.95			3.09	0.93			1.88
125 of 126	Expected	1.00	2.00	2.00		1.00			2.00	1.00	2.00				3.00	3.00			
	Actual	0.98	1.88	1.95		1.05			1.86	0.95	2.15				3.00	2.90			
126 of 126	Expected	2.00	2.00	2.00		1.00			2.00	1.00	1.00	1.00			1.00	3.00			
	Actual	1.88	2.05	1.93		1.00			1.85	0.93	0.98	0.95			0.96	2.87			

^aVal-Ile, Val-Val, Ile-Ile and/or Ile-Val bonds were only partially destroyed during hydrolysis
^bTrp was completely destroyed during hydrolysis
^cCys was partially destroyed during hydrolysis

Date: 17 JUN 2014

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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