

Peptide Array, Hantaan Virus, 76-118, Glycoprotein Precursor (GPC)

Catalog No. NR-4767

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

Product Description: The 199-peptide array spans the glycoprotein precursor (GPC) of Hantaan virus, 76-118 (GenPept: P08668). Peptides are 14- to 17-mers, with 11 to 13 amino acid overlaps.

Lot: 339648 to 339846

The following information applies to all peptides:

- Appearance Off-white lyophilized powder (Peptides 13, 191, 195)
White lyophilized powder (all other Peptides)
- Mass spectral analysis Correct MW by MALDI-TOF (Peptide 114)
Correct MW by Electrospray (all other Peptides)
- Counter Ion Trifluoroacetate

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 of 199	06/19/07	17	1-MGIWKWLVMASLVWPVL-17	2029.6	80.2%	67.2%
2 of 199	06/18/07	17	7-LVMASLVWPVLTLRNVY-23	1974.4	84.7%	83.2%
3 of 199	06/15/07	16	13-VWPVLTLRNVYDMKIE-28	1976.4	87.3%	81.3%
4 of 199	06/18/07	16	18-TLRNVYDMKIECPHTV-33	1919.3	91.9%	81.8%
5 of 199	06/18/07	16	23-YDMKIECPHTVSFGEN-38	1870.1	87.0%	78.1%
6 of 199	06/18/07	17	27-IECPHTVSFGENSVIGY-43	1852.1	84.4%	83.9%
7 of 199	06/18/07	17	33-VSFGENSVIGYVELPPV-49	1806.0	80.9%	87.4%
8 of 199	06/20/07	17	39-SVIGYVELPPVPLADTA-55	1741.0	80.2%	87.1%
9 of 199	06/20/07	17	44-VELPPVPLADTAQMVPE-60	1806.1	85.3%	89.3%
10 of 199	06/13/07	17	50-PLADTAQMVPESSCNMD-66	1809.0	95.8%	89.4%
11 of 199	06/12/07	17	55-AQMVPESSCNMDNHQSL-71	1891.1	89.3%	84.1%
12 of 199	06/13/07	17	61-SSCNMDNHQSLNTITKY-77	1956.1	80.4%	79.0%
13 of 199	06/22/07	17	67-NHQSLNTITKYTQVSWR-83	2076.3	85.8%	74.3%
14 of 199	07/05/07	16	73-TITKYTQVSWRGKADQ-88	1882.1	80.3%	77.0%
15 of 199	06/20/07	17	78-TQVSWRGKADQSQSSQN-94	1907.0	80.1%	81.1%
16 of 199	08/10/07	16	84-GKADQSQSSQNSFETV-99	1712.7	94.0%	65.1%
17 of 199	07/26/07	17	89-SQSSQNSFETVSTVDL-105	1857.9	89.3%	90.5%
18 of 199	08/01/07	17	95-SFETVSTVDLKGTCVL-111	1828.1	75.6%	85.4%
19 of 199	07/10/07	17	101-TEVDLKGTCVLKHKMVE-117	1930.3	91.7%	76.8%
20 of 199	07/11/07	17	107-GTCVLKHKMVEESYRSR-123	2023.4	81.4%	73.3%
21 of 199	07/18/07	17	113-HKMVEESYRSRKSVCY-129	2103.4	81.4%	79.4%
22 of 199	08/13/07	16	119-SYRSRKSVCYDLSCN-134	1882.1	87.4%	75.9%
23 of 199	06/06/07	16	124-KSVCYDLSCNSTYCK-139	1815.1	92.3%	74.8%
24 of 199	06/06/07	17	129-YDLSCNSTYCKPTLYMI-145	2015.4	82.8%	82.7%
25 of 199	05/22/07	16	135-STYCKPTLYMIVPIHA-150	1837.2	89.4%	78.1%

Table 1						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
26 of 199	07/10/07	16	140-PTLYMIVPIHACNMMK-155	1862.4	83.8%	78.5%
27 of 199	08/09/07	17	145-IVPIHACNMMKSCIAL-161	1857.4	94.8%	76.1%
28 of 199	06/27/07	17	151-CNMMKSCIALGPYRVQ-167	1927.4	84.3%	77.2%
29 of 199	07/06/07	16	157-CLIALGPYRVQVVYER-172	1879.3	97.5%	79.8%
30 of 199	08/13/07	17	162-GPYRVQVVYERSYCMTG-178	2008.3	87.2%	68.9%
31 of 199	07/26/07	17	168-VVYERSYCMTGVLIEGK-184	1947.3	81.1%	78.1%
32 of 199	08/13/07	17	174-YCMTGVLIEGKCFVPDQ-190	1903.3	81.0%	77.8%
33 of 199	06/18/07	17	180-LIEGKCFVPDQSVVSII-196	1847.2	88.0%	83.0%
34 of 199	07/19/07	17	186-FVPDQSVVSIIKHGIFD-202	1901.2	90.7%	77.5%
35 of 199	06/08/07	17	192-VVSIKHGIFDIASVHI-208	1848.2	93.6%	76.7%
36 of 199	08/14/07	17	198-HGIFDIASVHIVCFVA-214	1875.2	84.3%	78.7%
37 of 199	08/01/07	17	204-ASVHIVCFVAVKNGTY-220	1855.2	44.9%	75.0%
38 of 199	07/09/07	17	210-CFFVAVKNGTYKIFEQV-226	1993.4	87.1%	80.7%
39 of 199	06/11/07	16	216-KGNTYKIFEQVKKSFE-231	1946.2	96.8%	74.6%
40 of 199	08/15/07	17	221-KIFEQVKKSFEKNDT-237	2004.2	81.9%	87.4%
41 of 199	06/18/07	17	227-KKSFEKNDTENKVQG-243	1915.1	85.8%	73.5%
42 of 199	07/12/07	17	233-TCNDTENKVQGYVICIV-249	1963.2	80.4%	76.9%
43 of 199	07/13/07	16	239-NKVQGYVICIVGGNSA-254	1685.9	80.5%	71.2%
44 of 199	06/20/07	17	244-YYICIVGGNSAPIYVPT-260	1830.1	70.2%	87.0%
45 of 199	06/13/07	16	250-GGNSAPIYVPTLDDFR-265	1721.9	85.9%	81.3%
46 of 199	06/21/07	17	255-PIYVPTLDDFRSMEAFT-271	2002.3	90.3%	85.2%
47 of 199	06/05/07	15	261-LDDFRSMEAFTGIFR-275	1805.0	92.9%	78.7%
48 of 199	06/11/07	17	265-RSMEAFTGIFRSPHGED-281	1937.1	86.0%	76.5%
49 of 199	06/19/07	17	271-TGIFRSPHGEDHDLAGE-287	1837.9	80.2%	74.7%
50 of 199	06/11/07	16	277-PHGEDHDLAGEEIASY-292	1739.8	92.7%	75.1%
51 of 199	06/11/07	17	282-HDLAGEEIASYSIVGPA-298	1728.9	84.3%	85.7%
52 of 199	06/11/07	17	286-GEEIASYSIVGPANAKV-302	1704.9	88.5%	82.1%
53 of 199	06/19/07	15	292-YSIVGPANAKVPHSA-306	1510.7	98.9%	73.7%
54 of 199	06/19/07	16	296-GPANAKVPHSASSDTL-311	1551.7	88.2%	75.3%
55 of 199	06/19/07	16	301-KVPHSASSDTLSLIAY-316	1688.9	95.7%	75.3%
56 of 199	06/19/07	17	306-ASSDTLSLIAYSGIPSY-322	1744.9	95.7%	87.9%
57 of 199	06/19/07	17	312-SLIAYSGIPSYSSLSIL-328	1771.0	89.0%	87.1%
58 of 199	06/19/07	17	318-GIPSYSSLSILTSSTEAK-334	1712.9	89.3%	88.3%
59 of 199	06/19/07	15	324-SLSILTSSTEAKHVF-338	1619.8	83.7%	76.2%
60 of 199	07/02/07	16	328-LTSSTEAKHVFSPGLF-343	1720.9	90.7%	77.1%
61 of 199	07/02/07	17	332-TEAKHVFSPGLFVKLNH-348	1922.2	98.2%	75.0%
62 of 199	07/11/07	16	338-FSPGLFVKLNHTNCDK-353	1818.1	88.6%	76.0%
63 of 199	07/06/07	17	343-FVKLNHTNCDKSAIPLI-359	1911.3	91.2%	77.0%
64 of 199	07/09/07	17	349-TNCDKSAIPLIWTGMID-365	1878.2	94.6%	82.6%
65 of 199	06/15/07	17	355-AIPLIWTGMIDLPGYE-371	1952.3	90.7%	88.7%
66 of 199	06/11/07	17	361-TGMIDLPGYEAVHPCT-377	1867.1	81.6%	81.4%
67 of 199	07/20/07	16	367-PGYEAVHPCTVFCVL-382	1798.1	85.0%	83.1%
68 of 199	07/11/07	16	372-AVHPCTVFCVLSGPGA-387	1557.9	73.5%	84.2%
69 of 199	06/19/07	16	377-TVFCVLSGPGASCEAF-392	1587.8	82.9%	88.1%
70 of 199	07/08/07	17	382-LSGPGASCEAFSEGGIF-398	1628.8	89.2%	87.5%
71 of 199	06/13/07	17	388-SCEAFSEGGIFNITSPM-404	1790.0	80.8%	90.6%

Table 1						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
72 of 199	07/09/07	17	393-SEGGIFNITSPMCLVSK-409	1783.1	80.3%	81.2%
73 of 199	06/11/07	17	399-NITSPMCLVSKQNRFL-415	2007.4	81.4%	76.9%
74 of 199	06/15/07	17	405-CLVSKQNRFLTEQQVN-421	2063.4	90.3%	70.1%
75 of 199	06/19/07	17	411-NRFRLTEQQVNFVCQRV-427	2137.5	85.1%	78.1%
76 of 199	07/20/07	17	416-TEQQVNFVCQRVDMDIV-432	2024.3	84.7%	80.3%
77 of 199	08/07/07	17	422-FVCQRVDMDIVVYCNGQ-438	1989.3	41.5%	61.7%
78 of 199	06/18/07	17	428-DMDIVVYCNGQRKVILT-444	1967.3	87.7%	82.6%
79 of 199	07/05/07	17	434-YCNGQRKVILTTLVIG-450	1906.3	81.5%	72.2%
80 of 199	07/31/07	17	440-KVILTTLVIGQCIYTI-456	1906.4	80.3%	78.9%
81 of 199	08/08/07	17	446-TLVIGQCIYTITSLFSL-462	1872.3	35.7%	85.9%
82 of 199	07/26/07	17	452-CIYTITSLFSLPGVAH-468	1835.2	85.6%	82.6%
83 of 199	06/18/07	17	458-SLFSLPGVAHSIAVEL-474	1753.1	89.2%	84.2%
84 of 199	07/18/07	17	464-PGVAHSIAVELCVPGFH-480	1733.0	80.0%	78.2%
85 of 199	06/26/07	17	470-IAVELCVPGFHGWATAA-486	1742.0	80.1%	90.0%
86 of 199	08/06/07	16	476-VPGFHGWATAALLVTF-491	1687.0	84.8%	79.5%
87 of 199	08/08/07	17	481-GWATAALLVTFCFGWVL-497	1855.2	38.6%	88.5%
88 of 199	06/19/07	17	487-LLVTFCFGWVLIPAITF-503	1940.4	85.5%	88.7%
89 of 199	06/19/07	17	493-FGWVLIPAITFIILTVL-509	1916.4	97.1%	88.3%
90 of 199	06/28/07	17	499-PAITFIILTVLKFIANI-515	1887.4	81.9%	83.0%
91 of 199	06/18/07	17	505-ILTVLKFIANIFHTSNQ-521	1959.3	80.4%	79.0%
92 of 199	06/12/07	16	511-FIANIFHTSNQENRLK-526	1932.2	96.1%	72.3%
93 of 199	06/14/07	17	516-FHTSNQENRLKSVLRKI-532	2070.4	95.5%	73.7%
94 of 199	06/11/07	17	520-NQENRLKSVLRKIKEEF-536	2131.5	97.3%	69.5%
95 of 199	06/18/07	16	526-KSVLRKIKEEFKTKG-541	1920.3	80.0%	70.6%
96 of 199	07/23/07	17	531-KIKEEFKTKGSMVCDV-547	1971.3	94.6%	73.1%
97 of 199	06/11/07	16	536-FEKTKGSMVCDVCKYE-551	1867.2	86.2%	74.1%
98 of 199	07/09/07	17	541-GSMVCDVCKYECETYKE-557	1987.3	92.7%	83.8%
99 of 199	06/14/07	17	547-VCKYECETYKELKAHGV-563	2000.3	80.9%	73.3%
100 of 199	07/11/07	16	552-CETYKELKAHGVSCPQ-567	1793.1	80.0%	74.0%
101 of 199	06/15/07	17	556-KELKAHGVSCPQSQCPY-572	1875.2	85.6%	77.1%
102 of 199	06/14/07	17	562-GVSCPQSQCPYCFTHCE-578	1889.1	90.3%	69.1%
103 of 199	06/14/07	17	568-SQCPYCFTHCEPTEAAF-584	1934.2	84.4%	80.8%
104 of 199	06/14/07	17	574-FTHCEPTEAAFQAHYKV-590	1979.2	84.6%	74.3%
105 of 199	06/14/07	17	580-TEAAFQAHYKVCQVTHR-596	1989.2	93.0%	68.2%
106 of 199	06/15/07	17	586-AHYKVCQVTHRFRDDLK-602	2116.4	81.8%	76.2%
107 of 199	06/14/07	16	591-CQVTHRFRDDLKKTVT-606	1947.2	83.0%	69.7%
108 of 199	07/03/07	16	596-RFRDDLKKTVTPQNFT-611	1966.2	93.1%	68.5%
109 of 199	06/15/07	17	601-LKKTVTPQNFTPGCYRT-617	1954.3	92.4%	77.7%
110 of 199	06/15/07	17	607-PQNFTPGCYRTLNLFRY-623	2090.4	89.3%	81.6%
111 of 199	06/15/07	17	613-GCYRTLNLFRYKSRCYI-629	2156.6	81.5%	68.5%
112 of 199	07/16/07	17	619-NLFRYKSRCYIFTMWIF-635	2288.8	37.3%	76.7%
113 of 199	08/14/07	16	625-SRCYIFTMWIFLLVLE-640	2034.5	27.1%	82.2%
114 of 199	08/14/07	17	630-FTMWIFLLVLESILWAA-646	2053.5	33.5%	83.0%
115 of 199	08/03/07	16	636-LLVLESILWAASASET-651	1703.0	81.9%	85.5%
116 of 199	07/18/07	17	641-SILWAASASETPLTPVW-657	1829.1	85.0%	87.0%
117 of 199	07/20/07	17	647-SASETPLTPVWNDNAHG-663	1795.9	94.7%	82.5%

Table 1						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
118 of 199	07/23/07	17	653-LTPVWNDNAHGVSVP-669	1794.0	91.7%	85.5%
119 of 199	07/20/07	17	659-DNAHGVGSVPMHTDLEL-675	1792.0	88.7%	79.8%
120 of 199	07/24/07	16	665-GSVPMTDLELDFSLT-680	1762.0	83.1%	83.5%
121 of 199	08/13/07	17	670-HTDLELDFSLTSSSKYT-686	1944.1	82.9%	80.8%
122 of 199	07/11/07	17	676-DFSLTSSSKYTYRRKLT-692	2053.3	80.1%	73.6%
123 of 199	07/09/07	17	682-SSKYTYRRKLTNPLEEA-698	2056.3	93.6%	78.1%
124 of 199	08/03/07	17	688-RRKLTNPLEEAQSIDLH-704	2020.3	85.5%	71.6%
125 of 199	07/18/07	17	694-PLEEAQSIDLHIEIEEQ-710	1993.2	80.4%	85.2%
126 of 199	07/12/07	17	700-SIDLHIEIEEQTIGVDV-716	1910.1	84.3%	75.3%
127 of 199	07/18/07	17	705-IEIEEQTIGVDVHALGH-721	1860.1	82.8%	76.1%
128 of 199	06/18/07	17	711-TIGVDVHALGHWFDGRL-727	1893.1	83.2%	72.6%
129 of 199	07/13/07	17	717-HALGHWFDGRLNLKTSF-733	1999.3	80.0%	75.8%
130 of 199	07/16/07	16	723-FDGRLNLKTSFH CYGA-738	1829.1	67.6%	77.0%
131 of 199	06/26/07	17	728-NLKTSFH CYGACTKYEY-744	2028.3	85.9%	75.3%
132 of 199	06/25/07	17	734-HCYGACTKYEYPWHTAK-750	2058.3	88.3%	71.3%
133 of 199	06/25/07	17	740-TKYEYPWHTAKCHYERD-756	2227.4	89.3%	73.9%
134 of 199	06/25/07	16	746-WHTAKCHYERDYQYET-761	2130.3	92.1%	75.7%
135 of 199	07/23/07	16	751-CHYERDYQYETSWGCN-766	2054.2	80.5%	81.1%
136 of 199	06/25/07	17	756-DYQYETSWGCNPSDCPG-772	1922.0	92.4%	85.1%
137 of 199	06/25/07	17	762-SWGCNPSDCPGVGTGCT-778	1640.8	77.0%	86.7%
138 of 199	07/17/07	17	768-SDCPGVGTGCTACGLYL-784	1616.9	82.3%	81.1%
139 of 199	06/29/07	17	774-GTGCTACGLYLDQLKPV-790	1739.0	87.1%	81.8%
140 of 199	06/29/07	17	780-CGLYLDQLKPVGSAYKI-796	1868.2	97.5%	76.8%
141 of 199	06/25/07	17	785-DQLKPVGSAYKIITIRY-801	1965.3	88.2%	71.8%
142 of 199	06/25/07	17	791-GSAYKIITIRYSRRVCV-807	1985.4	86.2%	70.7%
143 of 199	08/06/07	17	797-ITIRYSRRVCVQFGEEN-813	2070.4	80.4%	76.2%
144 of 199	06/25/07	17	803-RRVCVQFGEENLCKIID-819	2022.4	86.6%	80.9%
145 of 199	07/11/07	17	809-FGEENLCKIIDMNDCFV-825	1990.3	81.6%	82.9%
146 of 199	06/25/07	17	815-CKIIDMNDCFVSRHVKV-831	2007.4	88.9%	71.4%
147 of 199	07/23/07	17	821-NDCFVSRHVKVCIIIGTV-837	1890.3	81.2%	73.4%
148 of 199	07/27/07	17	827-RHVKVCIIIGTVSKFSQG-843	1859.2	83.6%	73.6%
149 of 199	07/03/07	17	833-IIGTVSKFSQGD TLLFF-849	1873.2	83.6%	84.7%
150 of 199	06/27/07	17	839-KFSQGD TLLFFGPLEGG-855	1813.0	83.8%	84.4%
151 of 199	06/27/07	17	845-TLLFFGPLEGG LIFKH-861	1846.2	80.3%	77.8%
152 of 199	07/24/07	16	851-PLEGG LIFKHWCTST-866	1746.0	80.0%	78.8%
153 of 199	07/31/07	16	856-GLIFKHWCTSTCQFGD-871	1843.1	82.2%	79.4%
154 of 199	07/02/07	16	861-HWCTSTCQFGDPGDIM-876	1798.0	93.6%	83.6%
155 of 199	07/02/07	17	866-TCQFGDPGDIMSPRDKG-882	1824.0	83.9%	79.6%
156 of 199	07/02/07	17	872-PGDIMSPRDKGFLCPEF-888	1909.2	94.6%	76.6%
157 of 199	06/29/07	17	878-PRDKGFLCPEFPGSFRK-894	1981.3	89.2%	68.2%
158 of 199	06/29/07	17	884-LCPEFPGSFRKKNFAT-900	1945.3	87.0%	75.1%
159 of 199	07/02/07	17	890-GSFRKKNFATTPICEY-906	1965.3	92.8%	81.3%
160 of 199	07/02/07	16	896-CNFATTPICEYDGNMV-911	1778.0	80.8%	90.3%
161 of 199	06/29/07	17	901-TPICEYDGNMVSGYKKV-917	1904.2	80.8%	79.9%
162 of 199	07/03/07	16	907-DGNMVSGYKKVMATID-922	1729.0	91.7%	79.1%
163 of 199	07/03/07	17	912-SGYKKVMATIDSFQSFN-928	1923.2	88.8%	79.9%

Table 1						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
164 of 199	07/03/07	17	918-MATIDSFQSFNTSTMHF-934	1965.2	89.1%	83.6%
165 of 199	07/05/07	17	924-FQSFNTSTMHFTDERIE-940	2090.3	84.8%	80.7%
166 of 199	06/29/07	17	930-STMHFTDERIEWKDPDG-946	2064.2	80.5%	75.6%
167 of 199	06/26/07	17	936-DERIEWKDPDGMLRDHI-952	2125.4	88.6%	76.8%
168 of 199	06/27/07	17	942-KDPDGMLRDHINILVTK-958	1965.3	81.4%	71.1%
169 of 199	08/07/07	17	948-LRDHINILVTKDIDFDN-964	2041.3	58.6%	77.9%
170 of 199	07/10/07	15	954-ILVTKDIDFDNLGEN-968	1705.9	82.3%	86.6%
171 of 199	07/09/07	17	958-KDIDFDNLGENPCKIGL-974	1891.2	83.1%	79.2%
172 of 199	07/26/07	17	964-NLGENPCKIGLQTSSIE-980	1803.0	81.1%	84.6%
173 of 199	07/26/07	17	970-CKIGLQTSSIEGAWGSG-986	1693.9	67.1%	84.9%
174 of 199	08/08/07	17	976-TSSIEGAWGSGVGFLLT-992	1669.8	88.9%	85.7%
175 of 199	08/08/07	17	982-AWGSGVGFLLTCLVSLT-998	1712.0	19.1%	72.2%
176 of 199	08/15/07	17	988-GFTLTCLVSLTECPTFL-1004	1845.2	36.5%	83.6%
177 of 199	08/06/07	16	994-LVSLTECPTFLTSIKA-1009	1723.1	81.5%	82.0%
178 of 199	07/23/07	17	998-TECPTFLTSIKACKAI-1014	1841.2	89.2%	76.8%
179 of 199	07/05/07	16	1004-LTSIKACKAICYGAE-1019	1686.0	84.2%	74.8%
180 of 199	07/05/07	17	1009-ACDKAICYGAESVTLTR-1025	1801.1	80.8%	82.2%
181 of 199	07/05/07	17	1015-CYGAESVTLTRGQNTVK-1031	1827.1	90.0%	82.7%
182 of 199	07/06/07	17	1021-VTLTRGQNTVKVSGKGG-1037	1701.9	83.8%	72.2%
183 of 199	07/06/07	17	1026-GQNTVKVSGKGGHSGST-1042	1600.7	87.0%	75.9%
184 of 199	07/09/07	17	1032-VSGKGGHSGSTFRCCHG-1048	1676.9	83.6%	70.8%
185 of 199	07/09/07	17	1038-HSGSTFRCCHGEDCSQI-1054	1867.0	91.1%	79.8%
186 of 199	07/09/07	17	1044-RCCHGEDCSQIGLHAAA-1060	1771.0	85.1%	79.3%
187 of 199	07/11/07	17	1050-DCSQIGLHAAAPHLDKV-1066	1775.0	88.3%	75.0%
188 of 199	07/11/07	17	1056-LHAAAPHLDKVNGISEI-1072	1785.0	92.0%	72.9%
189 of 199	07/31/07	17	1062-HLDKVNIGISEIENSKVY-1078	1945.2	80.3%	72.5%
190 of 199	06/13/07	17	1068-GISEIENSKVYDDGAPQ-1084	1821.9	88.9%	78.8%
191 of 199	08/08/07	17	1074-NSKVYDDGAPQCGIKCW-1090	1884.1	82.9%	70.2%
192 of 199	06/22/07	17	1080-DGAPQCGIKCWFVKSGE-1096	1825.1	85.0%	79.6%
193 of 199	06/25/07	17	1086-GIKCWFVKSGEWISGIF-1102	1957.3	88.9%	75.2%
194 of 199	06/25/07	17	1092-VKSGEWISGIFSGNWIV-1108	1879.1	85.6%	84.6%
195 of 199	08/08/07	17	1098-ISGIFSGNWIVLIVLCV-1114	1833.3	46.7%	64.8%
196 of 199	08/13/07	17	1104-GNWIVLIVLCVLLFSL-1120	1945.9	68.6%	72.7%
197 of 199	08/13/07	17	1110-IVLCVLLFSLVLLSIL-1126	1905.5	20.8%	77.2%
198 of 199	06/27/07	17	1116-LLFSLVLLSILCPVRKH-1132	1951.5	81.0%	76.1%
199 of 199	06/26/07	14	1122-LLSILCPVRKHKKS-1135	1622.1	93.2%	63.6%

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

Note: Actual amino acid results which are not within 20% of expected results are highlighted in red.

		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 199	Expected	1.00					1.00		1.00	3.00	1.00	2.00		1.00	1.00		3.00		3.00
	Actual	1.02					1.06		0.83	3.00	0.95	1.90		1.05	1.01		0.00 ^a		2.86
2 of 199	Expected	1.00	1.00	1.00						4.00		1.00		1.00	1.00	1.00	1.00	1.00	4.00
	Actual	1.00	1.09	1.06						3.99		1.03		1.03	0.92	1.09	0.00 ^a	0.96	3.79
3 of 199	Expected		1.00	2.00		1.00			1.00	2.00	1.00	1.00		1.00		1.00	1.00	1.00	3.00
	Actual		1.08	2.09		0.94			0.96	2.00	0.97	0.85		0.98		1.08	0.00 ^a	0.96	2.75
4 of 199	Expected		1.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00		2.00		1.00	2.00
	Actual		0.98	2.09	0.00 ^b	0.98		1.00	0.99	1.00	1.00	1.02		1.14		2.18		0.96	2.02
5 of 199	Expected			2.00	1.00	2.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00
	Actual			2.03	0.00 ^b	1.87	1.00	1.00	0.95		1.04	0.99	1.00	0.94	0.91	1.08		0.99	0.94
6 of 199	Expected			1.00	1.00	2.00	2.00	1.00	2.00				1.00	1.00	2.00	1.00		1.00	2.00
	Actual			1.00	0.00 ^b	1.79	1.93	0.92	1.54 ^c				0.93	0.94	1.69	0.99		0.93	1.52 ^c
7 of 199	Expected			1.00		2.00	2.00		1.00	1.00			1.00	2.00	2.00			1.00	4.00
	Actual			0.99		1.83	1.96		0.68 ^c	1.00			0.91	2.11	1.62			0.94	3.43 ^c
8 of 199	Expected	2.00		1.00		1.00	1.00		1.00	2.00				3.00	1.00	1.00		1.00	3.00
	Actual	1.89		1.08		1.01	1.05		0.70 ^c	2.00				3.22	0.89	1.04		0.98	2.60 ^c
9 of 199	Expected	2.00		1.00		3.00				2.00		1.00		4.00		1.00			3.00
	Actual	1.98		1.08		2.88				2.00		1.03		4.32		1.08			2.93
10 of 199	Expected	2.00		3.00	1.00	2.00				1.00		2.00		2.00	2.00	1.00			1.00
	Actual	2.00		3.32	0.00 ^b	2.03				1.04		1.60		2.25	1.70	1.14			0.94
11 of 199	Expected	1.00		3.00	1.00	3.00		1.00		1.00		2.00		1.00	3.00				1.00
	Actual	1.00		3.28	0.00 ^b	3.06		1.07		1.10		2.18		1.15	2.47				0.93
12 of 199	Expected			4.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00			3.00	2.00		1.00	
	Actual			4.18	0.00 ^b	1.04		0.97	0.95	1.03	1.00	0.85			2.60	2.12		1.01	
13 of 199	Expected		1.00	2.00		2.00		1.00	1.00	1.00	1.00				2.00	3.00	1.00	1.00	1.00
	Actual		1.15	1.99		1.90		0.91	0.97	0.99	1.00				1.80	3.18	0.00 ^a	1.01	0.94
14 of 199	Expected	1.00	1.00	1.00		2.00	1.00		1.00		2.00				1.00	3.00	1.00	1.00	1.00
	Actual	1.00	1.13	1.11		2.00	1.12		1.01		2.14				1.01	3.29	0.00 ^a	1.08	1.02
15 of 199	Expected	1.00	1.00	2.00		4.00	1.00				1.00				4.00	1.00	1.00		1.00
	Actual	1.00	1.12	1.99		3.63	1.09				1.03				3.37	0.98	0.00 ^a		0.95
16 of 199	Expected	1.00		2.00		4.00	1.00				1.00		1.00		4.00	1.00			1.00
	Actual	0.96		2.21		4.00	0.90				1.15		1.15		3.81	1.11			0.94
17 of 199	Expected			2.00		4.00				1.00				1.00	5.00	2.00			2.00
	Actual			2.30		4.00				1.15				1.15	4.64	2.30			2.26
18 of 199	Expected			1.00	1.00	2.00	1.00			2.00	1.00			1.00	2.00	3.00			3.00
	Actual			1.13	0.00 ^b	1.88	1.15			2.15	1.15			1.00	1.86	2.81			2.74
19 of 199	Expected			1.00	1.00	2.00	1.00	1.00		2.00	3.00	1.00				2.00			3.00
	Actual			1.01	0.00 ^b	1.89	1.04	0.99		1.94	3.00	1.01				1.76			2.79
20 of 199	Expected		2.00		1.00	2.00	1.00	1.00		1.00	2.00	1.00			2.00	1.00		1.00	2.00
	Actual		1.97		0.00 ^b	2.00	1.12	0.98		1.01	2.01	1.02			1.81	0.85		1.04	1.87
21 of 199	Expected		2.00		1.00	2.00		1.00			2.00	1.00			3.00	1.00		2.00	2.00
	Actual		2.21		0.00 ^b	2.00		0.95			2.35	1.06			2.80	0.85		2.24	1.88
22 of 199	Expected		2.00	2.00	2.00					1.00	1.00				4.00	1.00		2.00	1.00
	Actual		1.70	2.00	0.00 ^b					0.85	1.14				3.40	0.85		1.70	0.97
23 of 199	Expected			2.00	3.00					1.00	2.00				3.00	2.00		2.00	1.00
	Actual			2.09	0.00 ^b					1.04	2.00				2.60	1.69		2.02	0.86
24 of 199	Expected			2.00	2.00				1.00	2.00	1.00	1.00		1.00	2.00	2.00		3.00	
	Actual			2.03	0.00 ^b				1.00	2.04	1.00	1.02		1.15	1.60	2.03		3.00	

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)
25 of 199	Expected	1.00			1.00			1.00	2.00	1.00	1.00	1.00		2.00	1.00	2.00		2.00	1.00
	Actual	1.00			0.00 ^b			0.98	1.86	1.11	1.05	0.99		2.34	0.92	2.19		2.08	0.82
26 of 199	Expected	1.00		1.00	1.00			1.00	2.00	1.00	1.00	3.00		2.00		1.00		1.00	1.00
	Actual	0.95		1.06	0.00 ^b			0.90	1.57 ^c	1.04	1.00	3.10		2.22		1.06		1.05	0.63 ^c
27 of 199	Expected	2.00		1.00	2.00			1.00	3.00	2.00	1.00	2.00		1.00	1.00				1.00
	Actual	1.70		0.92	0.00 ^b			0.94	2.00 ^c	2.00	0.96	1.79		0.88	0.88				0.36 ^c
28 of 199	Expected	1.00	1.00	1.00	2.00	1.00	1.00		1.00	2.00	1.00	2.00		1.00	1.00			1.00	1.00
	Actual	0.96	1.00	1.05	0.00 ^b	1.02	1.07		1.02	2.08	1.00	2.00		1.02	0.85			1.09	0.93
29 of 199	Expected	1.00	2.00		1.00	2.00	1.00		1.00	2.00				1.00				2.00	3.00
	Actual	1.00	2.04		0.00 ^b	1.94	1.09		1.04	2.11				1.06				2.11	2.24 ^c
30 of 199	Expected		2.00		1.00	2.00	2.00					1.00		1.00	1.00	1.00		3.00	3.00
	Actual		1.70		0.00 ^b	1.71	2.00					1.12		0.92	1.15	1.12		2.97	2.04 ^c
31 of 199	Expected		1.00		1.00	2.00	2.00		1.00	1.00	1.00	1.00			1.00	1.00		2.00	3.00
	Actual		0.90		0.00 ^b	1.77	2.00		0.93	0.91	1.04	0.95			0.89	1.02		1.91	1.67 ^c
32 of 199	Expected			1.00	2.00	2.00	2.00		1.00	1.00	1.00	1.00	1.00	1.00		1.00		1.00	2.00
	Actual			1.00	0.00 ^b	2.09	2.15		1.09	1.08	1.11	1.10	1.09	1.11		1.00		0.97	2.21
33 of 199	Expected			1.00	1.00	2.00	1.00		3.00	1.00	1.00		1.00	1.00	2.00				3.00
	Actual			1.08	0.00 ^b	1.95	1.04		2.46	1.00	1.03		1.03	1.05	1.83				2.35 ^c
34 of 199	Expected			2.00		1.00	1.00	1.00	3.00		1.00		2.00	1.00	2.00				3.00
	Actual			2.00		0.91	0.98	0.96	2.16 ^c		1.10		1.82	1.01	1.72				2.33 ^c
35 of 199	Expected	1.00		1.00			1.00	2.00	5.00		1.00		1.00		2.00				3.00
	Actual	1.00		1.11			1.15	2.01	4.47		1.00		1.04		1.79				2.24 ^c
36 of 199	Expected	2.00		1.00	1.00		1.00	2.00	3.00				3.00		1.00				3.00
	Actual	2.00		1.15	0.00 ^b		1.14	1.79	2.48 ^c				2.52		0.85				1.69 ^c
37 of 199	Expected	2.00		1.00	1.00		1.00	1.00	1.00		1.00		2.00		1.00	1.00		1.00	4.00
	Actual	2.00		1.05	0.00 ^b		1.15	0.85	0.65 ^c		1.10		2.01		0.87	1.02		0.87	3.20 ^c
38 of 199	Expected	1.00		1.00	1.00	2.00	1.00		1.00		2.00		3.00			1.00		1.00	3.00
	Actual	0.99		1.11	0.00 ^b	1.98	1.09		0.95		2.00		2.98			1.15		1.07	2.89
39 of 199	Expected			1.00		3.00	1.00		1.00		4.00		2.00		1.00	1.00		1.00	1.00
	Actual			1.05		2.83	1.09		0.97		4.00		1.98		0.90	1.06		0.97	0.94
40 of 199	Expected			2.00	1.00	3.00			1.00		3.00		2.00		2.00	2.00			1.00
	Actual			2.00	0.00 ^b	2.91			0.85		2.74		1.88		1.80	1.70			0.96
41 of 199	Expected			3.00	1.00	3.00	1.00				3.00		1.00		2.00	2.00			1.00
	Actual			3.20	0.00 ^b	3.00	1.06				3.09		1.03		1.88	1.64			0.94
42 of 199	Expected			3.00	2.00	2.00	1.00		2.00		1.00					2.00		2.00	2.00
	Actual			3.23	0.00 ^b	2.00	1.07		1.27 ^c		1.04					1.93		2.02	1.67 ^c
43 of 199	Expected	1.00		2.00	1.00	1.00	3.00		2.00		1.00				1.00			2.00	2.00
	Actual	0.93		2.16	0.00 ^b	1.00	3.33		1.30 ^c		1.06				0.88			1.98	1.62 ^c
44 of 199	Expected	1.00		1.00	1.00		2.00		3.00					2.00	1.00	1.00		3.00	2.00
	Actual	1.00		1.09	0.00 ^b		2.13		2.01 ^c					2.12	0.91	1.12		2.63	1.48 ^c
45 of 199	Expected	1.00	1.00	3.00			2.00		1.00	1.00			1.00	2.00	1.00	1.00		1.00	1.00
	Actual	1.00	1.03	3.17			1.84		0.94	1.05			1.01	2.32	1.01	1.16		0.92	0.97
46 of 199	Expected	1.00	1.00	2.00		1.00			1.00	1.00		1.00	2.00	2.00	1.00	2.00		1.00	1.00
	Actual	0.95	1.05	2.06		1.02			0.94	1.00		1.04	2.02	2.31	0.95	2.18		0.95	0.94
47 of 199	Expected	1.00	2.00	2.00		1.00	1.00		1.00	1.00		1.00	3.00		1.00	1.00			
	Actual	0.95	1.99	2.12		0.96	1.12		0.98	1.00		1.00	2.94		0.89	1.12			
48 of 199	Expected	1.00	2.00	1.00		2.00	2.00	1.00	1.00			1.00	2.00	1.00	2.00	1.00			
	Actual	1.00	2.00	1.07		1.92	2.27	1.02	0.99			0.93	1.98	1.14	1.77	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)
49 of 199	Expected	1.00	1.00	2.00		2.00	3.00	2.00	1.00	1.00			1.00	1.00	1.00	1.00			
	Actual	0.95	1.08	2.17		1.89	3.33	2.08	0.96	1.00			0.94	1.04	0.87	1.15			
50 of 199	Expected	2.00		2.00		3.00	2.00	2.00	1.00	1.00				1.00	1.00			1.00	
	Actual	2.00		2.13		2.89	2.31	2.01	1.04	1.05				1.15	1.02			0.99	
51 of 199	Expected	3.00		1.00		2.00	2.00	1.00	2.00	1.00				1.00	2.00			1.00	1.00
	Actual	3.00		0.96		1.90	2.30	0.85	1.87 ^c	1.04				1.15	1.87			0.98	0.79 ^c
52 of 199	Expected	3.00		1.00		2.00	2.00		2.00		1.00			1.00	2.00			1.00	2.00
	Actual	3.00		1.10		2.00	2.31		1.87		1.05			1.15	1.81			1.02	1.80
53 of 199	Expected	3.00		1.00			1.00	1.00	1.00		1.00			2.00	2.00			1.00	2.00
	Actual	3.00		1.11			1.13	1.06	0.76 ^c		1.03			2.22	1.90			1.07	1.71 ^c
54 of 199	Expected	3.00		2.00			1.00	1.00		1.00	1.00			2.00	3.00	1.00			1.00
	Actual	2.73		2.04			0.89	0.96		1.00	0.93			2.06	2.71	1.08			0.85
55 of 199	Expected	2.00		1.00				1.00	1.00	2.00	1.00			1.00	4.00	1.00		1.00	1.00
	Actual	1.98		1.07				1.04	1.03	2.11	1.00			1.08	3.80	1.10		1.04	0.93
56 of 199	Expected	2.00		1.00			1.00		2.00	2.00				1.00	5.00	1.00		2.00	
	Actual	1.86		1.01			0.98		1.98	2.00				1.06	4.43	1.05		1.98	
57 of 199	Expected	1.00					1.00		3.00	3.00				1.00	6.00			2.00	
	Actual	1.00					1.09		3.12	3.19				1.11	5.68			2.05	
58 of 199	Expected	1.00				1.00	1.00		2.00	2.00				1.00	6.00	2.00		1.00	
	Actual	1.00				1.03	1.06		2.06	2.09				1.08	5.49	2.22		0.99	
59 of 199	Expected	1.00				1.00		1.00	1.00	2.00	1.00		1.00		4.00	2.00			1.00
	Actual	1.00				1.01		1.01	0.99	2.04	1.07		0.99		3.66	2.18			0.90
60 of 199	Expected	1.00				1.00	1.00	1.00		2.00	1.00		2.00	1.00	3.00	2.00			1.00
	Actual	0.99				1.00	1.06	1.00		2.00	1.05		2.02	1.05	2.73	2.04			0.89
61 of 199	Expected	1.00		1.00		1.00	1.00	2.00		2.00	2.00		2.00	2.00	1.00	1.00			1.00
	Actual	0.93		1.06		0.98	1.00	1.95		2.00	2.01		1.91	2.13	0.91	1.06			0.84
62 of 199	Expected			3.00	1.00		1.00	1.00		2.00	2.00		2.00	2.00	1.00	1.00			
	Actual			3.31	0.00 ^b		1.00	1.05		2.00	2.09		1.90	1.87	0.85	1.13			
63 of 199	Expected	1.00		3.00	1.00			1.00	2.00	2.00	2.00		1.00	2.00	1.00	1.00			
	Actual	1.00		3.27	0.00 ^b			1.06	2.09	2.08	2.12		1.03	2.19	0.95	1.15			
64 of 199	Expected	1.00		3.00	1.00		1.00		3.00	1.00	1.00	1.00		1.00	1.00	2.00	1.00		
	Actual	0.94		3.09	0.00 ^b		1.04		2.91	1.00	1.00	1.00		1.02	0.89	2.12	0.00 ^a		
65 of 199	Expected	1.00		1.00		1.00	2.00		3.00	2.00		1.00		2.00		1.00	1.00	2.00	
	Actual	1.00		1.09		1.01	2.24		3.08	2.11		0.85		2.28		1.12	0.00 ^a	2.15	
66 of 199	Expected	1.00		1.00	1.00	1.00	2.00	1.00	1.00	1.00		1.00		2.00	2.00	2.00		2.00	1.00
	Actual	1.00		1.11	0.00 ^b	1.03	2.23	0.94	1.05	1.08		1.04		2.22	2.27	2.27		2.07	0.93
67 of 199	Expected	1.00			2.00	1.00	1.00	1.00			1.00		1.00	2.00		1.00		2.00	3.00
	Actual	0.99			0.00 ^b	0.97	1.08	0.88		1.00			0.97	2.15		1.08		2.00	2.81
68 of 199	Expected	2.00			2.00		2.00	1.00		1.00			1.00	2.00	1.00	1.00			3.00
	Actual	1.83			0.00 ^b		2.00	0.90		1.03			1.02	2.04	0.94	1.11			2.82
69 of 199	Expected	2.00			2.00	1.00	2.00			1.00			2.00	1.00	2.00	1.00			2.00
	Actual	1.96			0.00 ^b	1.00	2.22			1.00			1.96	1.00	1.70	1.15			2.01
70 of 199	Expected	2.00			1.00	2.00	4.00		1.00	1.00			2.00	1.00	3.00				
	Actual	2.11			0.00 ^b	2.17	4.66		1.07	1.00			2.17	1.11	2.55				
71 of 199	Expected	1.00		1.00	1.00	2.00	2.00		2.00			1.00	2.00	1.00	3.00	1.00			
	Actual	1.00		1.12	0.00 ^b	1.98	2.25		1.92			0.85	1.92	1.08	2.52	1.11			
72 of 199	Expected			1.00	1.00	1.00	2.00		2.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00			1.00
	Actual			1.07	0.00 ^b	0.93	2.11		1.88	1.00	1.00	1.02	0.90	1.09	2.61	1.05			0.87

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)	
73 of 199	Expected		2.00	2.00	1.00	1.00			1.00	2.00	1.00	1.00	1.00	1.00	2.00	1.00			1.00	
	Actual		2.17	2.25	0.00 ^b	1.06			1.10	2.24	1.00	1.00	1.08	1.13	1.79	1.12			1.04	
74 of 199	Expected		2.00	2.00	1.00	4.00				2.00	1.00		1.00		1.00	1.00			2.00	
	Actual		1.92	2.00	0.00 ^b	3.57				1.90	0.95		0.96		0.86	0.99			1.65	
75 of 199	Expected		3.00	2.00	1.00	4.00				1.00			2.00			1.00			3.00	
	Actual		3.03	2.14	0.00 ^b	3.81				1.00			1.96			1.12			2.86	
76 of 199	Expected		1.00	3.00	1.00	4.00			1.00			1.00	1.00			1.00			4.00	
	Actual		0.94	3.32	0.00 ^b	4.00			0.69 ^c			1.06	0.97			1.15			3.67 ^c	
77 of 199	Expected		1.00	3.00	2.00	2.00	1.00		1.00			1.00	1.00						1.00	4.00
	Actual		1.10	3.45	0.00 ^b	1.70	1.00		0.59 ^c			1.15	0.85						1.15	3.78 ^c
78 of 199	Expected		1.00	3.00	1.00	1.00	1.00		2.00	1.00	1.00	1.00				1.00			1.00	3.00
	Actual		0.99	3.10	0.00 ^b	0.96	1.02		1.10 ^c	1.02	1.00	1.02				1.15			0.99	1.84 ^c
79 of 199	Expected		1.00	1.00	1.00	1.00	2.00		2.00	2.00	2.00					2.00			1.00	2.00
	Actual		0.98	0.98	0.00 ^b	0.86	2.04		1.24 ^c	2.00	1.96					2.14			0.95	1.15 ^c
80 of 199	Expected				1.00	1.00	1.00		4.00	2.00	2.00					3.00			1.00	2.00
	Actual				0.00 ^b	1.00	1.15		2.98 ^c	2.03	1.90					2.89			0.95	1.07 ^c
81 of 199	Expected				1.00	1.00	1.00		3.00	3.00			1.00		2.00	3.00			1.00	1.00
	Actual				0.00 ^b	0.85	1.00		2.47 ^c	3.25			1.08		1.83	2.96			0.95	0.60 ^c
82 of 199	Expected	1.00			1.00		1.00	1.00	2.00	3.00			1.00	1.00	2.00	2.00			1.00	1.00
	Actual	0.94			0.00 ^b		1.12	1.00	1.69	3.00			1.02	1.06	1.77	1.97			0.85	0.93
83 of 199	Expected	2.00				1.00	1.00	1.00	1.00	4.00			1.00	1.00	3.00					2.00
	Actual	1.90				0.96	1.01	0.99	1.01	4.00			0.98	1.00	2.66					1.92
84 of 199	Expected	2.00			1.00	1.00	2.00	2.00	1.00	1.00			1.00	2.00	1.00					3.00
	Actual	2.00			0.00 ^b	1.04	2.26	1.98	1.06	1.06			0.93	2.19	0.93					2.91
85 of 199	Expected	4.00			1.00	1.00	2.00	1.00	1.00	1.00			1.00	1.00		1.00	1.00			2.00
	Actual	3.48			0.00 ^b	0.98	2.27	0.95	1.04	1.00			1.00	1.08		0.95	0.00 ^a			1.83
86 of 199	Expected	3.00					2.00	1.00		2.00			2.00	1.00		2.00	1.00			2.00
	Actual	3.00					2.17	0.86		2.33			1.85	1.01		2.30	0.00 ^a			1.85
87 of 199	Expected	3.00			1.00		2.00			3.00			2.00			2.00	2.00			2.00
	Actual	2.60			0.00 ^b		2.13			3.30			2.00			1.94	0.00 ^a			1.76
88 of 199	Expected	1.00			1.00		1.00		2.00	3.00			3.00	1.00		2.00	1.00			2.00
	Actual	1.10			0.00 ^b		1.13		2.16	3.00			2.92	1.15		2.11	0.00 ^a			1.77
89 of 199	Expected	1.00					1.00		4.00	3.00			2.00	1.00		2.00	1.00			2.00
	Actual	0.85					0.85		2.37 ^c	3.00			1.70	0.88		2.01	0.00 ^a			1.77
90 of 199	Expected	2.00		1.00					5.00	2.00	1.00		2.00	1.00		2.00				1.00
	Actual	2.00		1.15					3.76 ^c	2.03	1.11		1.91	1.15		1.88				0.99
91 of 199	Expected	1.00		2.00		1.00		1.00	3.00	2.00	1.00		2.00		1.00	2.00				1.00
	Actual	1.00		2.25		1.03		1.06	2.86	1.97	1.03		1.89		0.98	2.17				0.96
92 of 199	Expected	1.00	1.00	3.00		2.00		1.00	2.00	1.00	1.00		2.00		1.00	1.00				
	Actual	0.92	0.97	3.15		1.89		0.99	1.92	1.00	1.01		1.90		0.88	1.08				
93 of 199	Expected		2.00	2.00		2.00		1.00	1.00	2.00	2.00		1.00		2.00	1.00				1.00
	Actual		1.75	2.10		1.88		0.99	0.99	2.00	2.01		0.98		1.79	1.08				0.94
94 of 199	Expected		2.00	2.00		4.00			1.00	2.00	3.00		1.00		1.00					1.00
	Actual		1.97	2.11		3.75			0.97	2.00	3.00		0.99		0.91					0.94
95 of 199	Expected		1.00			3.00	1.00		1.00	1.00	5.00		1.00		1.00	1.00				1.00
	Actual		0.98			3.05	1.12		0.95	1.03	5.00		1.10		0.95	1.16				0.98
96 of 199	Expected			1.00	1.00	3.00	1.00		1.00		4.00	1.00	1.00		1.00	1.00				2.00
	Actual			1.04	0.00 ^b	2.57	1.00		0.85		4.33	0.86	0.91		0.89	1.04				1.78

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)
97 of 199	Expected			1.00	2.00	2.00	1.00				3.00	1.00	1.00		1.00	1.00		1.00	2.00
	Actual			1.07	0.00 ^b	1.86	1.09				3.00	0.97	0.96		0.90	1.01		0.95	2.00
98 of 199	Expected			1.00	3.00	3.00	1.00				2.00	1.00			1.00	1.00		2.00	2.00
	Actual			1.08	0.00 ^b	2.76	1.04				2.00	1.01			0.92	1.10		2.02	1.89
99 of 199	Expected	1.00			2.00	3.00	1.00	1.00		1.00	3.00					1.00		2.00	2.00
	Actual	1.04			0.00 ^b	3.00	1.12	1.07		1.10	3.22					1.16		1.98	2.09
100 of 199	Expected	1.00			2.00	3.00	1.00	1.00		1.00	2.00			1.00	1.00	1.00		1.00	1.00
	Actual	0.96			0.00 ^b	3.00	1.08	1.08		1.09	2.17			1.10	0.85	1.01		1.14	0.96
101 of 199	Expected	1.00			2.00	3.00	1.00	1.00		1.00	2.00			2.00	2.00			1.00	1.00
	Actual	1.00			0.00 ^b	2.93	1.10	1.05		1.06	2.13			2.19	1.70			1.10	0.98
102 of 199	Expected				4.00	3.00	1.00	1.00					1.00	2.00	2.00	1.00		1.00	1.00
	Actual				0.00 ^b	3.00	1.07	1.06					1.05	2.26	1.70	1.10		1.07	0.95
103 of 199	Expected	2.00			3.00	3.00		1.00					2.00	2.00	1.00	2.00		1.00	
	Actual	1.87			0.00 ^b	2.87		1.01					2.00	1.98	0.97	2.15		1.04	
104 of 199	Expected	3.00			1.00	3.00		2.00			1.00		2.00	1.00		2.00		1.00	1.00
	Actual	2.95			0.00 ^b	3.00		2.12			1.05		2.08	1.02		2.21		1.06	0.94
105 of 199	Expected	3.00	1.00		1.00	3.00		2.00			1.00		1.00			2.00		1.00	2.00
	Actual	3.00	1.01		0.00 ^b	3.00		2.14			1.08		1.08			2.08		1.10	1.90
106 of 199	Expected	1.00	2.00	2.00	1.00	1.00		2.00		1.00	2.00		1.00			1.00		1.00	2.00
	Actual	1.00	2.13	2.24	0.00 ^b	1.01		2.13		1.07	2.13		1.06			1.17		1.08	1.96
107 of 199	Expected		2.00	2.00	1.00	1.00		1.00		1.00	2.00		1.00			3.00			2.00
	Actual		1.99	2.10	0.00 ^b	0.96		0.99		1.00	2.02		0.99			3.24			1.81
108 of 199	Expected		2.00	3.00		1.00				1.00	2.00		2.00	1.00		3.00			1.00
	Actual		2.00	3.18		0.98				1.00	2.03		2.01	1.07		3.32			0.96
109 of 199	Expected		1.00	1.00	1.00	1.00	1.00			1.00	2.00		1.00	2.00		4.00		1.00	1.00
	Actual		1.00	1.07	0.00 ^b	1.01	1.05			1.00	2.02		1.02	2.07		4.34		1.04	0.97
110 of 199	Expected		2.00	2.00	1.00	1.00	1.00			2.00			2.00	2.00		2.00		2.00	
	Actual		1.98	2.07	0.00 ^b	0.97	0.99			2.00			1.92	2.04		2.12		2.03	
111 of 199	Expected		3.00	1.00	2.00		1.00		1.00	2.00	1.00		1.00		1.00	1.00		3.00	
	Actual		3.02	1.06	0.00 ^b		1.03		1.00	2.00	0.99		0.99		0.91	1.07		3.05	
112 of 199	Expected		2.00	1.00	1.00				2.00	1.00	1.00	1.00	3.00		1.00	1.00	1.00	2.00	
	Actual		2.14	1.02	0.00 ^b				1.85	1.00	1.14	1.04	2.85		0.85	1.14	0.00 ^a	2.06	
113 of 199	Expected		1.00		1.00	1.00			2.00	3.00		1.00	2.00		1.00	1.00	1.00	1.00	1.00
	Actual		0.85		0.00 ^b	1.00			1.70	2.85		1.00	2.00		0.86	1.00	0.00 ^a	0.85	1.10
114 of 199	Expected	2.00				1.00			2.00	4.00		1.00	2.00		1.00	1.00	2.00		1.00
	Actual	2.00				1.03			1.85	4.07		0.85	1.76		1.10	0.91	0.00 ^a		0.90
115 of 199	Expected	3.00				2.00			1.00	4.00					3.00	1.00	1.00		1.00
	Actual	3.10				2.00			0.85	3.95					2.96	1.15	0.00 ^a		0.85
116 of 199	Expected	3.00				1.00			1.00	2.00				2.00	3.00	2.00	2.00		1.00
	Actual	3.00				1.08			0.98	2.07				2.29	2.87	2.24	0.00 ^a		1.00
117 of 199	Expected	2.00		3.00		1.00	1.00	1.00		1.00				2.00	2.00	2.00	1.00		1.00
	Actual	1.97		3.16		1.00	1.06	0.95		1.00				2.26	1.80	2.16	0.00 ^a		0.93
118 of 199	Expected	1.00		3.00			2.00	1.00		1.00		1.00		2.00	1.00	1.00	1.00		3.00
	Actual	0.96		3.34			2.11	1.00		1.00		0.92		2.12	0.97	1.14	0.00 ^a		2.81
119 of 199	Expected	1.00		3.00		1.00	2.00	2.00		2.00		1.00		1.00	1.00	1.00			2.00
	Actual	0.98		3.19		1.02	2.11	1.97		2.00		1.04		1.12	0.92	1.15			1.97
120 of 199	Expected			2.00		1.00	1.00	1.00		3.00		1.00	1.00	1.00	2.00	2.00			1.00
	Actual			2.22		1.00	1.00	0.95		3.00		0.90	0.98	1.09	1.90	2.15			0.93

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)
121 of 199	Expected			2.00		1.00		1.00		3.00	1.00		1.00		4.00	3.00		1.00	
	Actual			2.00		1.04		1.03		3.26	1.13		1.07		3.86	2.93		1.13	
122 of 199	Expected		2.00	1.00						2.00	2.00		1.00		4.00	3.00		2.00	
	Actual		2.00	1.02						2.00	1.97		1.00		3.49	3.02		1.93	
123 of 199	Expected	1.00	2.00	1.00		2.00				2.00	2.00			1.00	2.00	2.00		2.00	
	Actual	0.98	2.08	1.10		2.00				2.10	2.07			1.15	1.88	2.20		2.04	
124 of 199	Expected	1.00	2.00	2.00		3.00		1.00	1.00	3.00	1.00			1.00	1.00	1.00			
	Actual	0.87	2.01	2.00		2.72		1.04	0.97	3.25	0.96			1.04	0.91	1.04			
125 of 199	Expected	1.00		1.00		7.00		1.00	3.00	2.00				1.00	1.00				
	Actual	0.88		1.15		7.00		1.04	3.20	2.17				1.13	0.99				
126 of 199	Expected			2.00		4.00	1.00	1.00	4.00	1.00					1.00	1.00			2.00
	Actual			2.00		3.55	1.03	0.89	3.53	0.98					0.87	1.02			1.86
127 of 199	Expected	1.00		1.00		4.00	2.00	2.00	3.00	1.00						1.00			2.00
	Actual	1.00		1.09		3.55	2.16	1.94	2.86	1.05						1.05			1.89
128 of 199	Expected	1.00	1.00	2.00			3.00	2.00	1.00	2.00			1.00			1.00	1.00		2.00
	Actual	1.00	1.15	2.20			3.35	1.89	1.00	2.12			1.04			1.07	0.00 ^a		1.81
129 of 199	Expected	1.00	1.00	2.00			2.00	2.00		3.00	1.00		2.00		1.00	1.00	1.00		
	Actual	1.00	1.15	2.21			2.22	2.10		3.16	1.18		2.06		0.89	1.10	0.00 ^a		
130 of 199	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	0.85	1.02	2.09	0.00 ^b		1.91	0.96		2.00	1.14		1.96		0.90	1.08			0.85
131 of 199	Expected	1.00		1.00	2.00	1.00	1.00	1.00		1.00	2.00		1.00		1.00	2.00			3.00
	Actual	0.85		1.05	0.00 ^b	0.99	1.09	0.99		1.03	2.00		0.94		0.85	1.98			3.22
132 of 199	Expected	2.00			2.00	1.00	1.00	2.00			2.00			1.00		2.00	1.00		3.00
	Actual	1.88			0.00 ^b	0.97	1.03	1.98			2.00			1.01		2.15	0.00 ^a		3.02
133 of 199	Expected	1.00	1.00	1.00	1.00	2.00		2.00		2.00	2.00			1.00		2.00	1.00		3.00
	Actual	0.92	1.05	1.00	0.00 ^b	1.84		1.98		2.00	2.00			1.12		2.15	0.00 ^a		2.99
134 of 199	Expected	1.00	1.00	1.00	1.00	3.00		2.00			1.00					2.00	1.00		3.00
	Actual	0.92	1.15	1.07	0.00 ^b	2.88		2.02			1.00					2.22	0.00 ^a		3.14
135 of 199	Expected		1.00	2.00	2.00	3.00	1.00	1.00							1.00	1.00	1.00		3.00
	Actual		1.00	2.06	0.00 ^b	3.00	1.05	1.04							0.96	1.16	0.00 ^a		2.96
136 of 199	Expected			3.00	2.00	2.00	2.00							2.00	2.00	1.00	1.00		2.00
	Actual			3.20	0.00 ^b	1.98	2.00							1.91	1.78	1.10	0.00 ^a		2.00
137 of 199	Expected			2.00	3.00		4.00							2.00	2.00	2.00	1.00		1.00
	Actual			2.00	0.00 ^b		4.09							1.91	1.80	1.84	0.00 ^a		0.91
138 of 199	Expected	1.00		1.00	3.00		4.00			2.00				1.00	1.00	2.00			1.00
	Actual	0.93		1.02	0.00 ^b		4.14			2.00				0.97	0.85	2.03			0.88
139 of 199	Expected	1.00		1.00	2.00	1.00	3.00			3.00	1.00			1.00		2.00			1.00
	Actual	0.95		1.08	0.00 ^b	1.00	3.17			3.08	1.04			1.04		1.87			0.96
140 of 199	Expected	1.00		1.00	1.00	1.00	2.00		1.00	3.00	2.00			1.00	1.00				2.00
	Actual	1.00		1.09	0.00 ^b	1.04	2.30		1.07	3.19	2.12			1.09	0.93				0.99
141 of 199	Expected	1.00	1.00	1.00		1.00	1.00		3.00	1.00	2.00			1.00	1.00	1.00			2.00
	Actual	0.96	0.98	1.00		0.92	1.05		2.29 ^c	0.99	2.00			1.10	0.93	1.07			0.95
142 of 199	Expected	1.00	3.00		1.00		1.00		3.00		1.00				2.00	1.00			2.00
	Actual	0.96	3.18		0.00 ^b		1.07		2.39 ^c		1.00				1.85	1.09			1.94
143 of 199	Expected		3.00	1.00	1.00	3.00	1.00		2.00				1.00		1.00	1.00			2.00
	Actual		3.33	1.15	0.00 ^b	3.09	1.15		1.85				1.03		1.12	1.12			1.89
144 of 199	Expected		2.00	2.00	2.00	3.00	1.00		2.00	1.00	1.00		1.00						2.00
	Actual		1.94	2.20	0.00 ^b	2.82	1.04		1.33 ^c	1.00	1.06		0.99						1.76

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)
145 of 199	Expected			4.00	2.00	2.00	1.00		2.00	1.00	1.00	1.00	2.00						1.00
	Actual			4.02	0.00 ^b	2.00	1.12		1.06 ^c	1.06	0.90	0.93	1.97						0.88
146 of 199	Expected		1.00	3.00	2.00			1.00	2.00	2.00	1.00	1.00			1.00				3.00
	Actual		1.09	3.18	0.00 ^b			1.06	1.16 ^c	2.00	1.03	0.99		0.92					2.91
147 of 199	Expected		1.00	2.00	2.00		1.00	1.00	2.00		1.00		1.00		1.00	1.00			4.00
	Actual		0.87	2.06	0.00 ^b		1.00	0.92	1.21 ^c		1.08		0.88		0.85	1.05			3.84
148 of 199	Expected		1.00		1.00	1.00	2.00	1.00	2.00		2.00		1.00		2.00	1.00			3.00
	Actual		0.95		0.00 ^b	0.85	2.00	0.90	1.19 ^c		2.09		0.91		1.76	0.99			2.56
149 of 199	Expected			1.00		1.00	2.00		2.00	2.00	1.00		3.00		2.00	2.00			1.00
	Actual			1.11		1.00	2.11		0.90 ^c	2.07	0.95		2.98		1.73	2.13			0.90
150 of 199	Expected			1.00		2.00	4.00			3.00	1.00		3.00	1.00	1.00	1.00			
	Actual			1.00		1.79	4.22			3.10	1.03		2.98	0.97	0.87	1.11			
151 of 199	Expected					1.00	4.00	1.00	1.00	4.00	1.00		3.00	1.00		1.00			
	Actual					0.98	4.22	1.01	0.96	4.00	1.04		2.88	1.04		1.07			
152 of 199	Expected				1.00	1.00	3.00	1.00	1.00	2.00	1.00		1.00	1.00	1.00	2.00	1.00		
	Actual				0.00 ^b	0.84	3.31	1.01	0.90	2.00	1.16		0.91	1.08	0.92	2.19	0.00 ^a		
153 of 199	Expected			1.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00		2.00		1.00	2.00	1.00		
	Actual			0.90	0.00 ^b	1.00	2.00	0.94	0.85	1.03	1.11		1.81		0.96	1.70	0.00 ^a		
154 of 199	Expected			2.00	2.00	1.00	2.00	1.00	1.00			1.00	1.00	1.00	1.00	2.00	1.00		
	Actual			2.00	0.00 ^b	0.99	1.97	0.92	0.95			0.94	0.95	1.02	0.90	1.70	0.00 ^a		
155 of 199	Expected		1.00	3.00	1.00	1.00	3.00		1.00		1.00	1.00	1.00	2.00	1.00	1.00			
	Actual		0.94	3.00	0.00 ^b	0.99	3.00		0.96		0.96	0.95	0.95	1.96	0.97	0.85			
156 of 199	Expected		1.00	2.00	1.00	1.00	2.00		1.00	1.00	1.00	1.00	2.00	3.00	1.00				
	Actual		0.98	2.08	0.00 ^b	0.99	2.06		0.98	1.00	1.01	0.99	1.96	3.06	0.87				
157 of 199	Expected		2.00	1.00	1.00	1.00	2.00			1.00	2.00		3.00	3.00	1.00				
	Actual		2.01	1.06	0.00 ^b	0.85	2.17			1.00	2.04		2.96	3.19	0.84				
158 of 199	Expected	1.00	1.00	1.00	2.00	1.00	1.00			1.00	2.00		3.00	2.00	1.00	1.00			
	Actual	1.00	1.06	1.13	0.00 ^b	1.06	1.17			1.05	2.18		3.16	2.29	0.98	1.16			
159 of 199	Expected	1.00	1.00	1.00	2.00	1.00	1.00		1.00		2.00		2.00	1.00	1.00	2.00		1.00	
	Actual	0.93	0.98	1.04	0.00 ^b	0.97	1.00		0.85		2.00		1.95	0.96	0.93	2.13		1.00	
160 of 199	Expected	1.00		3.00	2.00	1.00	1.00		1.00			1.00	1.00	1.00		2.00		1.00	1.00
	Actual	0.96		3.19	0.00 ^b	1.00	1.07		0.85			1.02	1.00	1.11		2.25		1.03	0.93
161 of 199	Expected			2.00	1.00	1.00	2.00		1.00		2.00	1.00		1.00	1.00	1.00		2.00	2.00
	Actual			2.09	0.00 ^b	0.96	2.08		0.85		2.00	1.00		0.97	0.87	0.98		2.03	1.90
162 of 199	Expected	1.00		3.00			2.00		1.00		2.00	2.00			1.00	1.00		1.00	2.00
	Actual	1.00		3.20			2.19		1.03		2.03	2.10			0.92	1.11		1.02	1.95
163 of 199	Expected	1.00		2.00		1.00	1.00		1.00		2.00	1.00	2.00		3.00	1.00		1.00	1.00
	Actual	1.00		2.12		0.95	1.05		1.04		2.05	1.05	2.04		2.71	1.09		1.02	0.98
164 of 199	Expected	1.00		2.00		1.00		1.00	1.00			2.00	3.00		3.00	3.00			
	Actual	1.00		2.29		1.06		1.05	1.04			2.09	3.23		2.90	3.41			
165 of 199	Expected		1.00	2.00		3.00		1.00	1.00			1.00	3.00		2.00	3.00			
	Actual		1.05	2.24		3.00		1.07	1.02			1.02	3.15		1.86	3.38			
166 of 199	Expected		1.00	3.00		2.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	2.00	1.00		
	Actual		1.00	3.00		1.86	0.96	0.98	0.93		1.00	0.95	0.96	0.95	0.82	2.06	0.00 ^a		
167 of 199	Expected		2.00	4.00		2.00	1.00	1.00	2.00	1.00	1.00	1.00		1.00				1.00	
	Actual		2.32	4.16		1.83	1.06	0.92	1.87	1.02	1.00	0.88		1.05				0.00 ^a	
168 of 199	Expected		1.00	4.00			1.00	1.00	2.00	2.00	2.00	1.00		1.00		1.00			1.00
	Actual		0.97	4.29			1.10	0.93	2.02	2.00	2.13	0.97		1.12		1.16			0.98

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)
169 of 199	Expected		1.00	6.00				1.00	3.00	2.00	1.00		1.00			1.00			1.00
	Actual		0.90	6.11				0.85	2.52	2.00	0.98		0.80			1.13			0.92
170 of 199	Expected			5.00		1.00	1.00		2.00	2.00	1.00		1.00			1.00			1.00
	Actual			5.23		0.90	1.04		2.00	2.00	1.04		1.03			1.12			0.99
171 of 199	Expected			5.00	1.00	1.00	2.00		2.00	2.00	2.00		1.00	1.00					
	Actual			5.26	0.00 ^b	0.88	1.98		1.97	2.01	2.00		0.99	0.98					
172 of 199	Expected			2.00	1.00	3.00	2.00		2.00	2.00	1.00			1.00	2.00	1.00			
	Actual			2.00	0.00 ^b	2.71	2.11		1.96	2.02	1.15			0.94	1.80	1.08			
173 of 199	Expected	1.00			1.00	2.00	4.00		2.00	1.00	1.00				3.00	1.00	1.00		
	Actual	0.96			0.00 ^b	1.83	4.30		1.99	1.00	1.10				2.71	1.09	0.00 ^a		
174 of 199	Expected	1.00				1.00	4.00		1.00	1.00			1.00		3.00	3.00	1.00		1.00
	Actual	1.00				1.02	4.50		1.05	1.15			1.13		2.89	3.41	0.00 ^a		0.99
175 of 199	Expected	1.00			1.00		3.00			3.00			1.00		2.00	3.00	1.00		2.00
	Actual	1.00			0.00 ^b		3.44			3.47			0.91		2.29	2.92	0.00 ^a		2.08
176 of 199	Expected				2.00	1.00	1.00			4.00			2.00	1.00	1.00	4.00			1.00
	Actual				0.00 ^b	1.00	0.85			3.64			1.70	1.10	0.97	3.59			0.98
177 of 199	Expected	1.00			1.00	1.00			1.00	3.00	1.00		1.00	1.00	2.00	3.00			1.00
	Actual	0.88			0.00 ^b	1.00			0.85	3.18	0.95		0.94	1.15	2.02	3.47			0.85
178 of 199	Expected	2.00		1.00	2.00	1.00			2.00	1.00	2.00		1.00	1.00	1.00	3.00			
	Actual	1.80		1.08	0.00 ^b	1.05			1.99	1.00	2.32		0.95	1.06	0.92	3.16			
179 of 199	Expected	3.00		1.00	2.00	1.00	1.00		2.00	1.00	2.00				1.00	1.00		1.00	
	Actual	3.00		1.13	0.00 ^b	0.98	1.07		1.70	1.07	2.08				0.96	1.14		1.10	
180 of 199	Expected	3.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00	1.00				1.00	2.00		1.00	1.00
	Actual	2.73	1.01	0.97	0.00 ^b	1.00	1.11		0.85	1.04	0.93				0.98	2.26		0.96	0.98
181 of 199	Expected	1.00	1.00	1.00	1.00	2.00	2.00			1.00	1.00				1.00	3.00		1.00	2.00
	Actual	0.94	1.02	1.06	0.00 ^b	1.87	2.02			1.00	0.99				0.91	3.16		0.99	1.90
182 of 199	Expected		1.00	1.00		1.00	4.00			1.00	2.00				1.00	3.00			3.00
	Actual		0.95	1.09		0.96	4.54			1.00	2.19				1.01	3.22			3.03
183 of 199	Expected			1.00		1.00	5.00	1.00			2.00				3.00	2.00			2.00
	Actual			1.00		0.88	5.44	1.03			1.95				2.80	2.06			1.84
184 of 199	Expected		1.00		2.00		5.00	2.00			1.00		1.00		3.00	1.00			1.00
	Actual		1.06		0.00 ^b		5.59	2.10			1.00		1.06		2.80	1.14			0.89
185 of 199	Expected		1.00	1.00	3.00	2.00	2.00	1.00					1.00		3.00	1.00			
	Actual		1.01	1.06	0.00 ^b	1.88	2.10	2.00	1.02				1.00		2.68	1.18			
186 of 199	Expected	3.00	1.00	1.00	3.00	2.00	2.00	2.00	1.00	1.00					1.00				
	Actual	3.00	1.08	1.15	0.00 ^b	2.06	2.37	2.20	1.09	1.10					1.01				
187 of 199	Expected	3.00		2.00	1.00	1.00	1.00	2.00	1.00	2.00	1.00			1.00	1.00				1.00
	Actual	3.00		2.21	0.00 ^b	1.00	1.07	2.10	0.99	2.09	1.07			1.02	0.91				1.00
188 of 199	Expected	3.00		2.00		1.00	1.00	2.00	2.00	2.00	1.00			1.00	1.00				1.00
	Actual	2.87		2.11		1.01	1.06	1.99	2.08	2.00	1.00			0.98	0.89				0.94
189 of 199	Expected			3.00		2.00	1.00	1.00	2.00	1.00	2.00				2.00			1.00	2.00
	Actual			3.00		1.84	1.07	0.92	1.97	1.06	2.15				1.77			0.95	1.78
190 of 199	Expected	1.00		3.00		3.00	2.00		2.00		1.00			1.00	2.00			1.00	1.00
	Actual	1.00		3.32		2.91	2.33		2.02		1.02			1.05	1.96			0.96	0.89
191 of 199	Expected	1.00		3.00	2.00	1.00	2.00		1.00		2.00			1.00	1.00		1.00	1.00	1.00
	Actual	1.09		3.00	0.00 ^b	0.99	2.23		1.08		2.03			0.93	0.97		0.00 ^a	0.90	1.70
192 of 199	Expected	1.00		1.00	2.00	2.00	3.00		1.00		2.00		1.00	1.00	1.00		1.00		1.00
	Actual	1.01		1.10	0.00 ^b	1.93	3.31		0.96		2.00		1.01	1.01	0.99		0.00 ^a		0.84

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)
193 of 199	Expected				1.00	1.00	3.00		3.00		2.00		2.00		2.00		2.00		1.00
	Actual				0.00 ^b	0.97	3.44		2.97		2.00		1.97		1.88		0.00 ^a		0.90
194 of 199	Expected			1.00		1.00	3.00		3.00		1.00		1.00		3.00		2.00		2.00
	Actual			0.85		0.93	3.43		2.88		1.00		1.01		2.82		0.00 ^a		1.77
195 of 199	Expected			1.00	1.00		2.00		4.00	2.00			1.00		2.00		1.00		3.00
	Actual			1.00	0.00 ^b		2.23		1.96 ^c	1.75			1.00		1.73		0.00 ^a		1.29 ^c
196 of 199	Expected			1.00	1.00		1.00		2.00	5.00			2.00		1.00		1.00		3.00
	Actual			1.00	0.00 ^b		1.15		0.16 ^c	5.00			1.70		1.15		0.00 ^a		0.38 ^c
197 of 199	Expected				1.00				2.00	7.00			2.00		2.00				3.00
	Actual				0.00 ^b				1.76	7.00			2.15		1.70				1.59 ^c
198 of 199	Expected		1.00		1.00			1.00	1.00	6.00	1.00		1.00	1.00	2.00				2.00
	Actual		1.05		0.00 ^b			1.08	1.02	6.00	1.09		0.96	1.09	1.86				1.91
199 of 199	Expected		1.00		1.00			1.00	1.00	3.00	3.00			1.00	2.00				1.00
	Actual		0.96		0.00 ^b			1.03	0.94	3.00	3.12			1.03	1.81				0.89

^aTrp was completely destroyed during hydrolysis

^bCys was completely destroyed during hydrolysis

^cIle-Ile, Val-Ile, Val-Val, and/or Ile-Val bonds were only partially hydrolyzed during hydrolysis

Date: 29 AUG 2007

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the vendor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

