

Peptide Array, Human Coronavirus NL63 (HCoV-NL63) Spike (S) Protein
Catalog No. NR-3012

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Product Description: The 226-peptide array spans the spike (S) protein of the human coronavirus NL63 (HCoV-NL63) (GenPept: Q6Q1S2). Peptides are 14- to 17-mers, with 11 to 13 amino acid overlaps.

Lot: 334580-334805

The following information applies to all peptides:

- Appearance Off-white lyophilized powder (Peptides 30, 68, 70, 218, 219, 221)
White lyophilized powder (All other peptides)
- Mass spectral analysis Correct MW by MALDI-TOF (Peptides 71, 218, 219)
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 226	05/22/06	17	1 MKLFLILLVLPLASCFF 17	1968.6	53.6%	68.5%
2 of 226	05/19/06	17	7 LLVLPLASCFFTCNSNA 23	1813.2	52.9%	75.9%
3 of 226	05/22/06	17	13 ASCFFTCNSNANLSMLQ 29	1851.1	71.9%	82.8%
4 of 226	05/18/06	17	19 CNSNANLSMLQLGVPDN 35	1790.0	88.3%	86.0%
5 of 226	05/22/06	17	25 LSMLQLGVPDNSSTIVT 41	1775.1	82.4%	85.0%
6 of 226	05/19/06	17	31 GVPDNSSTIVTGLLPTH 47	1707.9	97.2%	85.5%
7 of 226	05/19/06	17	37 STIVTGLLPTHWF CANQ 53	1888.2	88.8%	72.8%
8 of 226	05/22/06	17	43 LLPTHWF CANQSTSVYS 59	1954.2	93.3%	84.7%
9 of 226	06/23/06	17	49 FCANQSTSVYSANGFFY 65	1906.1	23.5%	86.0%
10 of 226	06/13/06	17	55 TSVYSANGFFYIDVGNH 71	1891.0	46.6%	76.9%
11 of 226	05/22/06	17	61 NGFFYIDVGNHRSAFAL 77	1928.1	94.7%	77.4%
12 of 226	06/01/06	17	67 DVG NHRSAFALHTGY YD 83	1923.0	85.7%	77.5%
13 of 226	05/25/06	17	73 SAFALHTGY YDANQYYI 89	1997.2	87.9%	81.3%
14 of 226	06/26/06	17	79 TGY YDANQYYIYVTNEI 95	2090.2	44.6%	83.6%
15 of 226	06/19/06	17	85 NQYYIYVTNEI GLNASV 101	1961.2	11.7%	73.8%
16 of 226	06/28/06	17	91 VTNEI GLNASVTLKICK 107	1803.2	89.2%	68.6%
17 of 226	06/14/06	17	97 LNASVTLKICKFSRNTT 113	1896.2	67.1%	76.6%
18 of 226	06/02/06	17	103 LKICKFSRNTTFDFLSN 119	2034.2	83.7%	73.8%
19 of 226	06/01/06	17	109 SRNTTFDFLSNASSSFD 125	1896.0	85.4%	84.3%
20 of 226	06/30/06	17	115 DFLSNASSSFD CIVNLL 131	1845.1	20.7%	73.5%

Table 1

Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
21 of 226	05/26/06	17	121 SSSFDCIVNLLFTEQLG 137	1873.1	85.3%	83.4%
22 of 226	05/18/06	17	127 IVNLLFTEQLGAPLGIT 143	1799.1	85.3%	83.5%
23 of 226	05/18/06	17	133 TEQLGAPLGITISGETV 149	1685.9	97.7%	87.6%
24 of 226	05/18/06	17	139 PLGITISGETVRLHLYN 155	1883.2	80.6%	83.5%
25 of 226	05/18/06	17	145 SGETVRLHLYNVTRTFY 161	2056.3	93.5%	76.0%
26 of 226	05/19/06	17	151 LHLYNVTRTFYVPAAYK 167	2056.4	90.8%	73.4%
27 of 226	05/19/06	17	157 TRTFYVPAAYKLTKLSV 173	1958.3	93.1%	83.2%
28 of 226	05/23/06	17	163 PAAYKLTKLSVKCYFNY 179	2009.4	81.0%	81.0%
29 of 226	06/23/06	17	169 TKLSVKCYFNYSVFSV 185	1988.4	21.3%	77.1%
30 of 226	06/13/06	17	175 CYFNYSVFSVNVATVT 191	1917.2	47.8%	90.3%
31 of 226	06/14/06	17	181 CVFVNVATVTVNVTTTH 197	1791.1	37.0%	66.0%
32 of 226	05/25/06	17	187 NATVTVNVTTTHNGRVVN 203	1796.0	83.3%	76.1%
33 of 226	05/25/06	17	193 NVTTHNGRVVNYTVCCDD 209	1907.1	88.5%	71.3%
34 of 226	05/25/06	17	199 GRVVNYTVCCDCNGYTD 215	1894.0	80.0%	86.0%
35 of 226	06/19/06	17	205 TVCCDCNGYTDNIFSVQ 221	1894.0	53.6%	77.6%
36 of 226	06/02/06	17	211 NGYTDNIFSVQQDGRIP 227	1924.1	58.2%	75.6%
37 of 226	06/05/06	17	217 IFSVQQDGRIPNGFPFN 233	1936.2	92.1%	85.8%
38 of 226	06/05/06	17	223 DGRIPNGFPFNWFLLT 239	2008.3	93.0%	86.3%
39 of 226	06/05/06	17	229 GFPFNWFLLTNGSTLV 245	1927.2	95.9%	86.5%
40 of 226	06/05/06	17	235 WFLTNGSTLVDGVSRL 251	1878.2	87.0%	88.3%
41 of 226	06/02/06	17	241 GSTLVDGVSRLYQPLRL 257	1874.2	91.1%	78.2%
42 of 226	05/19/06	17	247 GVSRLYQPLRLTCLWPV 263	2001.4	97.8%	79.0%
43 of 226	05/18/06	17	252 YQPLRLTCLWPVPLKS 268	1971.4	97.2%	80.1%
44 of 226	05/22/06	17	258 TCLWPVPLKSSTGFVY 274	1855.2	95.0%	84.8%
45 of 226	05/19/06	17	264 PGLKSSTGFVYFNATGS 280	1732.9	85.0%	83.7%
46 of 226	05/25/06	17	270 TGFVYFNATGSDVNCNG 286	1765.9	84.2%	78.7%
47 of 226	05/19/06	17	276 NATGSDVNCNGYQHNSV 292	1779.8	95.7%	83.8%
48 of 226	05/22/06	17	282 VNCNGYQHNSVVDVMRY 298	1998.2	92.0%	83.9%
49 of 226	05/19/06	17	287 YQHNSVVDVMRYNLNFS 303	2086.3	87.6%	78.1%
50 of 226	05/19/06	17	293 VDMRYNLNFSANSLDN 309	1972.2	80.4%	57.0%
51 of 226	05/19/06	17	299 NLNFSANSLDNLKSGVI 315	1806.0	89.6%	80.3%
52 of 226	05/19/06	17	305 NSLDNLKSGVIVFKTLQ 321	1876.2	80.1%	84.6%
53 of 226	05/19/06	17	311 KSGVIVFKTLQYDVLFY 327	2020.4	85.8%	83.4%
54 of 226	05/25/06	17	317 FKTLQYDVLFYCSNSSS 333	2002.2	80.6%	75.2%
55 of 226	05/26/06	17	323 DVLFYCSNSSSGVLDTT 339	1808.0	32.0%	65.1%
56 of 226	05/17/06	17	329 SNSSSGVLDTTIPFGPS 345	1665.8	97.3%	88.3%
57 of 226	05/25/06	17	335 VLDTTIPFGPSSQPYCY 351	1888.1	90.8%	82.6%
58 of 226	05/17/06	17	341 PFGPSSQPYCYFINSTI 357	1921.2	89.9%	87.5%
59 of 226	06/01/06	17	346 SQPYCYFINSTINTTHV 362	1988.2	86.3%	81.7%
60 of 226	05/18/06	17	352 FINSTINTHVSTFVGI 368	1851.1	80.7%	82.7%

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Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
61 of 226	05/17/06	17	358 NTTHVSTFVGILPPTVR 374	1839.2	80.4%	77.1%
62 of 226	05/25/06	17	364 TFGVILPPTVREIVVAR 380	1867.3	91.8%	81.6%
63 of 226	05/30/06	17	370 PPTVREIVVARTGQFYI 386	1946.3	82.9%	83.0%
64 of 226	06/08/06	17	376 IVVARTGQFYINGFKYF 392	2023.4	93.0%	80.9%
65 of 226	06/15/06	17	382 GQFYINGFKYFDLGFIE 398	2058.3	82.9%	77.8%
66 of 226	06/14/06	17	388 GFKYFDLGFIEAVNFNV 404	1980.3	80.3%	81.8%
67 of 226	06/23/06	17	394 LGFIEAVNFNVTTASAT 410	1755.0	19.9%	88.8%
68 of 226	06/30/06	17	400 VNFNVTTASATDFWTV 416	1844.0	43.0%	87.3%
69 of 226	06/19/06	17	406 TASATDFWTVAFATFVD 422	1850.0	96.0%	68.2%
70 of 226	06/30/06	17	412 FWTVAFATFVDVLNV 428	1915.2	33.9%	88.7%
71 of 226	06/23/06	17	418 ATFVDVLNVSATNIQN 434	1805.0	19.8%	86.7%
72 of 226	07/05/06	17	424 LVNVSATNIQNLLYCDS 440	1867.1	45.5%	78.9%
73 of 226	06/08/06	17	430 TNIQNLLYCDSPFELQ 446	2026.3	81.9%	76.7%
74 of 226	06/05/06	17	436 LYCDSPFELQCEHLQF 452	2100.4	86.6%	78.7%
75 of 226	06/02/06	17	442 FEKLQCEHLQFGLQDGF 458	2039.3	82.4%	62.1%
76 of 226	06/07/06	17	448 EHLQFGLQDGFYSANFL 464	1986.2	80.3%	79.2%
77 of 226	06/13/06	17	454 LQDGFYSANFLDDNVLP 470	1928.1	81.6%	90.0%
78 of 226	06/06/06	17	460 SANFLDDNVLPETYVAL 476	1881.1	82.9%	74.6%
79 of 226	06/12/06	17	466 DNVLPETYVALPIYYQH 482	2035.3	80.9%	80.1%
80 of 226	06/07/06	17	472 TYVALPIYYQHTDINFT 488	2059.3	88.7%	85.8%
81 of 226	06/19/06	17	478 IYYQHTDINFTATASFG 494	1949.1	29.6%	68.4%
82 of 226	07/14/06	17	484 DINFTATASFGGSCYVC 500	1755.9	22.6%	77.8%
83 of 226	05/17/06	17	490 TASFGGSCYVCKPHQVN 506	1798.0	90.8%	75.9%
84 of 226	05/23/06	17	496 SCYVCKPHQVNISLNGN 512	1876.1	89.8%	82.8%
85 of 226	06/10/06	17	502 PHQVNISLNGNTSVCVR 518	1838.1	57.1%	67.9%
86 of 226	05/10/06	17	508 SLNGNTSVCVRTSHFSI 524	1822.0	86.9%	80.1%
87 of 226	05/10/06	17	514 SVCVRTSHFSIRIYINR 530	2101.4	91.0%	63.4%
88 of 226	05/11/06	17	520 SHFSIRIYINRVKSGSP 536	2011.3	97.3%	70.3%
89 of 226	05/16/06	17	526 YIYINRVKSGSPGDSSWH 542	1953.1	98.4%	75.0%
90 of 226	05/10/06	17	532 KSGSPGDSSWHIYLKSG 548	1806.0	95.1%	77.6%
91 of 226	05/16/06	17	538 DSSWHIYLKSGTCPFSF 554	1975.2	98.7%	76.8%
92 of 226	05/15/06	17	544 YLKSGTCPFSFKLNNF 560	1953.3	94.0%	78.1%
93 of 226	05/15/06	17	550 CPFSSFKLNNFQKFKTI 566	2049.4	95.9%	63.0%
94 of 226	05/24/06	17	556 KLNNFQKFKTICFSTVE 572	2047.4	92.6%	77.8%
95 of 226	05/18/06	17	562 KFKTICFSTVEVPGSCN 578	1860.2	90.0%	78.2%
96 of 226	05/18/06	17	568 FSTVEVPGSCNFPLEAT 584	1798.0	91.4%	92.4%
97 of 226	05/15/06	17	574 PGSCNFPLEATWHYTSY 590	1973.2	93.4%	86.5%
98 of 226	06/12/06	17	580 PLEATWHYTSYTIVGAL 596	1922.2	88.7%	73.6%
99 of 226	07/03/06	17	586 HYTSYTIVGALYVTWSE 602	1990.2	20.6%	85.6%
100 of 226	06/01/06	17	592 IVGALYVTWSEGNSITG 608	1767.0	81.7%	88.8%

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Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
101 of 226	06/16/06	17	598 VTWSEGENSITGVPYPVS 614	1793.0	92.7%	74.1%
102 of 226	05/12/06	17	604 NSITGVPYPVSGIREFS 620	1823.0	91.9%	74.1%
103 of 226	05/17/06	17	610 PYPVSGIREFSNLVLNN 626	1919.2	95.3%	79.8%
104 of 226	05/12/06	17	616 IREFSNLVLNNCTKYNI 632	2041.4	93.5%	81.8%
105 of 226	06/08/06	17	622 LVLNNCTKYNIYDYVGT 638	1993.3	82.7%	79.7%
106 of 226	05/12/06	17	628 TKYNIYDYVGTGIIRSS 644	1950.2	88.7%	77.2%
107 of 226	05/12/06	17	634 DYVGTGIIRSSNQLSLAG 650	1737.9	97.7%	79.2%
108 of 226	05/16/06	17	640 IIRSSNQLSLAGGITYVS 656	1766.0	92.3%	81.3%
109 of 226	06/01/06	17	645 NQSLAGGITYVSNSGNL 661	1694.8	80.3%	84.5%
110 of 226	05/12/06	17	651 GITYVSNSGNLLGFKNV 667	1783.0	85.8%	82.3%
111 of 226	05/18/06	17	657 NSGNLLGFKNVSTGNIF 673	1782.0	90.0%	85.1%
112 of 226	06/02/06	17	663 GFKNVSTGNIFIVTPCN 679	1811.1	83.1%	72.8%
113 of 226	05/15/06	17	669 TGNIFIVTPCNQPDQVA 685	1817.1	91.6%	77.1%
114 of 226	05/15/06	17	675 VTPCNQPDQVAVYQQSI 691	1890.1	99.1%	89.4%
115 of 226	07/03/06	17	681 PDQVAVYQQSIIGAMTA 697	1792.0	26.7%	88.1%
116 of 226	05/22/06	17	687 YQQSIIGAMTAVNESRY 703	1931.2	82.1%	73.8%
117 of 226	05/22/06	17	693 GAMTAVNESRYGLQNLL 709	1837.1	94.7%	71.0%
118 of 226	05/15/06	17	699 NESRYGLQNLLQLPNFY 715	2069.3	97.8%	77.4%
119 of 226	05/26/06	17	705 LQNLLQLPNFYYSNGG 721	1940.2	84.1%	87.0%
120 of 226	05/25/06	17	711 LPNFYYSNGGNNCTTA 727	1835.0	82.4%	80.8%
121 of 226	05/25/06	17	717 VSNGGNNCTTAVMTYSN 733	1732.9	87.3%	86.1%
122 of 226	07/06/06	17	723 NCTTAVMTYSNFGICAD 739	1811.0	62.0%	77.4%
123 of 226	05/15/06	17	729 MTYSNFGICADGSLIPV 745	1788.1	82.7%	80.2%
124 of 226	05/15/06	17	735 GICADGSLIPVRPRNSS 751	1742.0	95.4%	75.4%
125 of 226	05/16/06	17	741 SLIPVRPRNSSDNGISA 757	1783.0	100.0%	75.8%
126 of 226	06/20/06	17	747 PRNSSDNGISAITANL 763	1742.9	80.9%	75.1%
127 of 226	06/02/06	17	753 NGISAITANLSIPSNW 769	1771.0	82.4%	75.2%
128 of 226	06/15/06	17	759 ITANLSIPSNWTTSVQV 775	1831.1	61.4%	78.4%
129 of 226	07/04/06	17	765 IPSNWTTSVQVEYLQIT 781	1979.2	59.8%	95.5%
130 of 226	06/22/06	17	771 TSVQVEYLQITSTPIVV 787	1877.2	84.6%	76.5%
131 of 226	06/30/06	17	777 YLQITSTPIVVDCAITYV 793	1886.2	25.4%	88.6%
132 of 226	05/24/06	17	783 TPIVVDCAITYVCNGNPR 799	1822.1	82.6%	87.3%
133 of 226	05/24/06	17	789 CATYVCNGNPRCKNLLK 805	1897.3	97.1%	74.3%
134 of 226	05/22/06	17	795 NGNPRCKNLLKQYTSAC 811	1910.2	98.1%	77.5%
135 of 226	05/31/06	17	801 KNLLKQYTSACKTIEDA 817	1926.2	98.1%	76.2%
136 of 226	05/26/06	17	807 YTSACKTIEDALRLSAH 823	1879.1	89.6%	75.4%
137 of 226	05/26/06	17	813 TIEDALRLSAHLETNDV 829	1897.1	94.5%	79.2%
138 of 226	05/31/06	17	819 RLSAHLETNDVSSMLTF 835	1921.2	85.0%	74.8%
139 of 226	05/29/06	17	825 ETNDVSSMLTFDSNAFS 841	1865.0	92.5%	75.5%
140 of 226	06/08/06	17	831 SMLTFDSNAFSLANVTS 847	1805.0	87.0%	68.7%

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Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
141 of 226	06/12/06	17	837 SNAFSLANVTSGDYNL 853	1820.0	79.4%	62.0%
142 of 226	05/18/06	17	843 ANVTSFGDYNLSSVLPQ 859	1812.0	93.0%	92.3%
143 of 226	05/24/06	17	849 GDYNLSSVLPQRNIRSS 865	1906.1	98.8%	72.1%
144 of 226	05/19/06	17	855 SVLPQRNIRSSRIAGRS 871	1897.2	96.9%	70.4%
145 of 226	05/22/06	17	861 NIRSSRIAGRSALEDLL 877	1871.1	96.6%	73.8%
146 of 226	05/22/06	17	867 IAGRSALEDLLFSKVVT 883	1819.2	91.4%	72.2%
147 of 226	05/24/06	17	873 LEDLLFSKVVTSGLGTV 889	1778.1	98.2%	88.4%
148 of 226	05/22/06	17	879 SKVVTSGLGTVDVDYKS 895	1755.0	86.4%	67.8%
149 of 226	05/22/06	17	885 GLGTVDVDYKCTKGLS 901	1743.0	85.6%	66.3%
150 of 226	05/26/06	17	891 VDYKCTKGLSIADLAC 907	1787.1	86.7%	79.8%
151 of 226	06/10/06	17	897 TKGLSIADLACAQYYNG 913	1788.0	84.2%	74.6%
152 of 226	06/10/06	17	903 ADLACAQYYNGIMVLP 919	1799.1	87.5%	85.4%
153 of 226	05/24/06	17	908 AQYYNGIMVLPGVADAE 924	1811.1	92.8%	94.8%
154 of 226	05/24/06	17	914 IMVLPGVADAERMAMYT 930	1868.3	95.1%	85.2%
155 of 226	05/24/06	17	920 VADAERMAMYTGSLIGG 936	1742.0	95.0%	87.0%
156 of 226	06/21/06	17	926 MAMYTGSLIGGMVLGGL 942	1671.1	44.8%	78.2%
157 of 226	06/21/06	17	932 SLIGGMVLGGLTSA 948	1530.8	46.4%	76.6%
158 of 226	06/15/06	17	938 VLGGLTSA AIPFSLAL 954	1600.9	93.0%	88.4%
159 of 226	05/29/06	17	944 SAA AIPFSLALQARLNY 960	1806.1	90.7%	79.9%
160 of 226	06/13/06	17	950 FSLALQARLNYVALQTD 966	1923.2	76.1%	82.8%
161 of 226	06/10/06	17	956 ARLNYVALQTDVLQENQ 972	1975.2	82.1%	83.6%
162 of 226	05/29/06	17	962 ALQTDVLQENQKILAAS 978	1842.1	93.7%	80.8%
163 of 226	05/29/06	17	968 LQENQKILAASFNKAIN 984	1902.2	86.6%	80.6%
164 of 226	05/29/06	17	974 ILAASFNKAINNIVASF 990	1793.1	93.4%	78.4%
165 of 226	06/20/06	17	980 NKAINNIVASFSSVND 996	1763.9	53.4%	80.9%
166 of 226	06/01/06	17	986 IVASFSSVNDAITQTAE 1002	1752.9	86.8%	72.3%
167 of 226	06/07/06	17	992 SVNDAITQTAEAIHTVT 1008	1770.9	90.8%	86.6%
168 of 226	06/02/06	17	998 QTAEAIHTVTIALNKI 1014	1824.1	97.1%	81.2%
169 of 226	06/06/06	17	1004 IHTVTIALNKIQDVVNQ 1020	1906.2	81.5%	83.1%
170 of 226	06/02/06	17	1010 ALNKIQDVVNQQGSALN 1026	1812.0	82.6%	85.5%
171 of 226	06/21/06	17	1016 DVVNQQGSALNHLTSQL 1032	1824.0	80.2%	79.6%
172 of 226	06/02/06	17	1022 GSALNHLTSQLRHN 1038	1894.1	82.3%	76.8%
173 of 226	06/02/06	17	1028 LTSQLRHNFAQISNSIQ 1044	1957.2	92.3%	82.4%
174 of 226	06/02/06	17	1034 HNFQAISNSIQAIYDRL 1050	1990.2	82.6%	73.8%
175 of 226	05/29/06	17	1040 SNSIQAIYDRLDSIQAD 1056	1909.1	97.8%	75.6%
176 of 226	05/29/06	17	1046 IYDRLDSIQADQQVDRL 1062	2048.3	98.5%	77.3%
177 of 226	05/29/06	17	1052 SIQADQQVDRLITGRLA 1068	1884.1	91.0%	76.0%
178 of 226	05/29/06	17	1056 DQQVDRLITGRLAALNA 1072	1854.1	90.6%	73.9%
179 of 226	06/19/06	17	1062 LITGRLAALNAFVSQVL 1078	1786.2	92.0%	80.6%
180 of 226	06/20/06	17	1068 AALNAFVSQVLNKYTEV 1084	1867.2	71.5%	61.9%

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Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
181 of 226	05/29/06	17	1074 VSQVLNKYTEVRGSRRL 1090	2005.3	88.7%	68.7%
182 of 226	06/01/06	17	1080 KYTEVRGSRRLAQQKIN 1096	2047.4	93.1%	71.4%
183 of 226	06/02/06	17	1086 GSRRLAQQKINECVKSQ 1102	1945.2	95.9%	78.8%
184 of 226	05/29/06	17	1091 AQQKINECVKSQSNRYG 1107	1953.2	94.3%	72.1%
185 of 226	05/26/06	17	1097 ECVKSQSNRYGFCGNGT 1113	1850.0	89.2%	80.2%
186 of 226	05/29/06	17	1103 SNRYGFCGNGTHIFSIV 1119	1872.1	93.4%	75.7%
187 of 226	05/29/06	17	1109 CGNGTHIFSIVNSAPDG 1125	1688.8	82.0%	76.7%
188 of 226	06/07/06	17	1115 IFSIVNSAPDGLLFLHT 1131	1844.1	83.1%	81.5%
189 of 226	05/29/06	17	1121 SAPDGLLFLHTVLLPTD 1137	1809.1	91.4%	70.7%
190 of 226	05/29/06	17	1127 LFLHTVLLPTDYKNVKA 1143	1972.4	95.4%	81.2%
191 of 226	05/29/06	17	1133 LLPTDYKNVKAWSGICV 1149	1907.3	93.0%	92.6%
192 of 226	05/31/06	17	1139 KNVKAWSGICVDGIYGY 1155	1873.2	90.5%	80.4%
193 of 226	06/19/06	17	1145 SGICVDGIYGYVLRQPN 1161	1854.1	95.0%	83.9%
194 of 226	06/01/06	17	1151 GIYGYVLRQPNLVLYSD 1167	1970.3	95.2%	85.2%
195 of 226	05/29/06	17	1157 LRQPNLVLYSDNGVFRV 1173	1990.3	89.5%	79.4%
196 of 226	05/29/06	17	1163 VLYSDNGVFRVTSRVMF 1179	1990.3	89.5%	79.4%
197 of 226	05/31/06	17	1169 GVFRVTSRVMFQRLPV 1185	1989.4	88.9%	80.4%
198 of 226	05/31/06	17	1175 SRVMFQRLPVLSDFVQ 1191	2019.4	93.6%	81.6%
199 of 226	06/02/06	17	1181 PRLPVLSDFVQIYNCNV 1197	1977.3	82.6%	85.2%
200 of 226	07/14/06	17	1187 SDFVQIYNCNVTFVNIS 1203	1963.2	22.9%	75.2%
201 of 226	06/19/06	17	1193 YNCNVTFVNISRVELHT 1209	2009.3	44.8%	88.1%
202 of 226	06/19/06	17	1199 FVNISRVELHTVIPDYV 1215	2001.3	80.1%	76.4%
203 of 226	05/29/06	17	1205 VELHTVIPDYVDVNKTL 1221	1955.3	98.6%	83.8%
204 of 226	06/02/06	17	1211 IPDYVDVNKTLQEFAQN 1227	1994.2	85.5%	88.0%
205 of 226	05/29/06	17	1217 VNKTLQEFAQNLPKYVK 1233	2020.4	98.4%	78.0%
206 of 226	05/31/06	17	1223 EFAQNLPKYVKPNFDLT 1239	2024.3	93.5%	81.3%
207 of 226	06/01/06	17	1229 PKYVKPNFDLTPFNLT 1245	2057.4	94.3%	83.3%
208 of 226	06/07/06	17	1235 NFDLTPFNLTYLNLSS 1251	1988.2	98.1%	91.2%
209 of 226	06/08/06	17	1241 FNLTYLNLSSSELKQLE 1257	1983.3	82.0%	70.7%
210 of 226	06/06/06	17	1247 NLSSELKQLEAKTASLF 1263	1879.2	92.6%	66.7%
211 of 226	06/01/06	17	1253 KQLEAKTASLFQTTVEL 1269	1907.2	90.1%	85.9%
212 of 226	06/13/06	17	1259 TASLFQTTVELQGLIDQ 1275	1864.1	65.1%	71.7%
213 of 226	06/29/06	17	1265 TTVELQGLIDQINSTYV 1281	1894.1	91.2%	88.4%
214 of 226	06/19/06	17	1271 GLIDQINSTYVDLKL LN 1287	1919.2	30.5%	84.8%
215 of 226	06/01/06	17	1277 NSTYVDLKL NRFENYI 1293	2102.4	97.5%	85.7%
216 of 226	06/01/06	17	1283 LKLLNRFENYIKWPWWV 1299	2305.8	95.9%	86.2%
217 of 226	06/12/06	17	1289 FENYIKWPWWVWLIISV 1305	2279.7	80.6%	84.3%
218 of 226	07/06/06	17	1295 WPWWVWLIISVVFVLL 1311	2155.7	28.1%	57.3%
219 of 226	07/28/06	17	1301 LIISVVFVLLSLLVFC 1317	1877.4	37.1%	76.0%
220 of 226	07/17/06	17	1307 FVLLSLLVFCCLSTGC 1323	1817.3	58.2%	64.1%

Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
221 of 226	07/17/06	17	1313 LLVFCCLSTGCCGCCNC 1329	1742.2	84.7%	63.7%
222 of 226	06/05/06	17	1319 LSTGCCGCCNCLTSSMR 1335	1739.1	91.5%	87.6%
223 of 226	05/31/06	17	1325 GCCNCLTSSMRGCCDCG 1341	1713.0	93.1%	81.1%
224 of 226	06/01/06	17	1331 TSSMRGCCDCGSKLPY 1347	1809.1	91.4%	72.5%
225 of 226	06/07/06	17	1337 CCDCGSKLPYYEFK 1353	1985.3	88.1%	79.8%
226 of 226	06/01/06	14	1343 TKLPYYEFKVVHVQ 1356	1781.1	97.7%	76.2%

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

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
1 of 226	Expected	1.00			1.00				1.00	6.00	1.00	1.00	3.00	1.00	1.00				1.00
	Actual	1.00			0.00 ^a				0.79 ^b	5.66	0.94	0.93	3.11	0.94	0.78 ^c				0.99
2 of 226	Expected	2.00		2.00	2.00					4.00			2.00	1.00	2.00	1.00			1.00
	Actual	1.83		1.66	0.00 ^a					4.00			2.20	1.06	1.50 ^c	0.64 ^d			0.96
3 of 226	Expected	2.00		3.00	2.00	1.00				2.00		1.00	2.00		3.00	1.00			
	Actual	2.12		3.00	0.00 ^a	0.95				2.11		0.97	2.15		1.92	0.64 ^d			
4 of 226	Expected	1.00		5.00	1.00	1.00	1.00			3.00		1.00		1.00	2.00				1.00
	Actual	1.09		5.00	0.00 ^a	1.03	1.08			3.21		1.06		0.90	1.65				1.00
5 of 226	Expected			2.00		1.00	1.00		1.00	3.00		1.00		1.00	3.00	2.00			2.00
	Actual			2.00		1.13	1.13		0.98	3.40		0.95		1.04	2.56	1.91			2.18
6 of 226	Expected			2.00			2.00	1.00	1.00	2.00				2.00	2.00	3.00			2.00
	Actual			2.00			2.13	1.04	0.92	2.12				1.89	1.63	2.73			2.09
7 of 226	Expected	1.00		1.00	1.00	1.00	1.00	1.00	1.00	2.00			1.00	1.00	1.00	3.00	1.00		1.00
	Actual	1.04		1.00	0.00 ^a	0.99	1.04	1.02	0.91	2.10			0.93	0.89	0.85	2.68	0.00 ^e		0.95
8 of 226	Expected	1.00		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	1.06		1.00	0.00 ^a	0.99		1.03		2.07			1.04	0.97	2.37 ^c	1.76	0.00 ^e	0.92	1.02
9 of 226	Expected	2.00		2.00	1.00	1.00	1.00						3.00		3.00	1.00			2.00
	Actual	1.84		2.00	0.00 ^a	0.94	1.01						2.75		2.28 ^c	0.85			1.64
10 of 226	Expected	1.00		3.00			2.00	1.00	1.00				2.00		2.00	1.00			2.00
	Actual	0.97		3.00			2.07	1.05	0.98				2.08		1.70	0.80 ^d			1.90
11 of 226	Expected	2.00	1.00	3.00			2.00	1.00	1.00	1.00			3.00		1.00				1.00
	Actual	2.06	1.03	3.00			2.20	1.01	1.01	1.02			3.30		0.82				1.00
12 of 226	Expected	2.00	1.00	3.00			2.00	2.00		1.00			1.00		1.00	1.00			2.00
	Actual	2.20	1.09	3.00			2.18	2.15		1.08			0.99		0.86	0.97			1.96
13 of 226	Expected	3.00		2.00		1.00	1.00	1.00	1.00	1.00			1.00		1.00	1.00			4.00
	Actual	3.02		2.00		0.93	1.02	0.99	0.97	0.99			0.95		0.81	0.89			3.91
14 of 226	Expected	1.00		3.00		2.00	1.00		2.00							2.00			5.00
	Actual	1.09		3.00		1.90	1.09		2.01							1.92			5.08
15 of 226	Expected	1.00		3.00		2.00	1.00		2.00	1.00					1.00	1.00			3.00
	Actual	1.16		3.00		1.80	1.10		1.77	1.13					0.90	0.97			2.59

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)
16 of 226	Expected	1.00		2.00	1.00	1.00	1.00		2.00	2.00	2.00				1.00	2.00			2.00
	Actual	1.20		2.07	0.00 ^a	1.00	1.05		1.78	2.33	2.45				0.97	1.89			2.19
17 of 226	Expected	1.00	1.00	2.00	1.00				1.00	2.00	2.00		1.00		2.00	3.00			1.00
	Actual	0.90	1.10	1.93	0.00 ^a				0.80 ^b	2.00	2.20		1.28		1.70	2.87			0.85
18 of 226	Expected		1.00	3.00	1.00				1.00	2.00	2.00		3.00		2.00	2.00			
	Actual		1.06	3.00	0.00 ^a				0.80 ^b	2.00	2.08		3.49		1.60 ^c	1.75			
19 of 226	Expected	1.00	1.00	4.00						1.00			3.00		5.00	2.00			
	Actual	1.16	0.70 ^f	4.00						1.21			2.88		4.24	1.80			
20 of 226	Expected	1.00		4.00	1.00				1.00	3.00			2.00		4.00				1.00
	Actual	1.21		4.00	0.00 ^a				0.97	3.13			2.04		3.25				1.04
21 of 226	Expected			2.00	1.00	2.00	1.00		1.00	3.00			2.00		3.00	1.00			1.00
	Actual			2.00	0.00 ^a	1.95	1.03		0.74 ^g	3.20			2.26		2.41	0.92			0.81
22 of 226	Expected	1.00		1.00		2.00	2.00		2.00	4.00			1.00	1.00		2.00			1.00
	Actual	1.05		1.00		1.90	2.10		1.74	4.19			1.12	0.98		1.83			0.76 ^g
23 of 226	Expected	1.00				3.00	3.00		2.00	2.00				1.00	1.00	3.00			1.00
	Actual	1.11				3.00	3.29		2.15	2.23				1.03	0.89	2.76			1.13
24 of 226	Expected		1.00	1.00		1.00	2.00	1.00	2.00	3.00				1.00	1.00	2.00		1.00	1.00
	Actual		1.03	0.85		0.96	2.00	1.01	1.92	3.04				0.91	0.92	1.66		0.86	1.06
25 of 226	Expected		2.00	1.00		1.00	1.00	1.00		2.00			1.00		1.00	3.00		2.00	2.00
	Actual		2.01	0.80 ^h		0.92	1.10	1.01		2.00			1.10		0.75 ^c	2.59		1.93	2.05
26 of 226	Expected	2.00	1.00	1.00				1.00		2.00	1.00		1.00	1.00		2.00		3.00	2.00
	Actual	2.04	1.06	1.00				1.04		2.08	1.03		1.09	0.91		1.83		3.05	2.14
27 of 226	Expected	2.00	1.00							2.00	2.00		1.00	1.00	1.00	3.00		2.00	2.00
	Actual	2.00	1.01							2.02	2.01		0.92	0.90	0.80 ^c	2.54		1.93	2.08
28 of 226	Expected	2.00		1.00	1.00					2.00	3.00		1.00	1.00	1.00	1.00		3.00	1.00
	Actual	1.80		1.00	0.00 ^a					1.97	3.00		1.07	0.65 ⁱ	0.89	0.86		2.77	1.08
29 of 226	Expected			1.00	2.00					1.00	2.00		2.00		3.00	1.00		2.00	3.00
	Actual			1.00	0.00 ^a					1.13	2.03		2.02		2.50	0.90		1.78	3.12
30 of 226	Expected	1.00		2.00	2.00								2.00		2.00	2.00		2.00	4.00
	Actual	1.20		2.00	0.00 ^a								1.98		1.50 ^c	2.07		1.72	4.37
31 of 226	Expected	1.00		2.00	1.00			1.00					1.00		1.00	4.00			6.00
	Actual	1.03		2.00	0.00 ^a			0.94					1.07		0.87	3.50			6.08
32 of 226	Expected	1.00	1.00	4.00			1.00	1.00								4.00			5.00
	Actual	1.07	1.00	3.59			1.14	1.01								3.53			4.88
33 of 226	Expected		1.00	5.00	1.00		1.00	1.00								3.00		1.00	4.00
	Actual		1.16	5.00	0.00 ^a		1.14	1.13								2.93		1.06	4.58
34 of 226	Expected		1.00	5.00	2.00		2.00									2.00		2.00	3.00
	Actual		1.14	4.37	0.00 ^a		2.20									1.89		2.00	2.75
35 of 226	Expected			5.00	2.00	1.00	1.00		1.00				1.00		1.00	2.00		1.00	2.00
	Actual			5.00	0.00 ^a	0.95	1.06		1.00				1.02		0.90	1.87		0.97	2.11
36 of 226	Expected		1.00	4.00		2.00	2.00		2.00				1.00	1.00	1.00	1.00		1.00	1.00
	Actual		1.07	4.00		1.94	2.12		2.01				1.05	0.98	0.83	0.95		1.00	1.07
37 of 226	Expected		1.00	3.00		2.00	2.00		2.00				3.00	2.00	1.00				1.00
	Actual		1.09	3.14		2.00	2.20		2.02				3.47	2.09	0.79 ^c				1.09
38 of 226	Expected		1.00	4.00			2.00		1.00	2.00			3.00	2.00		1.00	1.00		
	Actual		1.01	3.19 ^h			2.02		0.94	2.00			3.31	1.78		0.92	0.00 ^e		
39 of 226	Expected			3.00			2.00			3.00			3.00	1.00	1.00	2.00	1.00		1.00
	Actual			2.50			2.02			3.00			3.29	0.84	0.81	1.76	0.00 ^e		1.00
40 of 226	Expected		1.00	2.00			2.00			4.00			1.00		2.00	2.00	1.00		2.00
	Actual		1.11	1.90			2.04			4.00			1.00		1.51 ^c	1.72	0.00 ^e		2.06

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)
41 of 226	Expected		2.00	1.00		1.00	2.00			4.00				1.00	2.00	1.00		1.00	2.00
	Actual		2.15	1.00		0.99	2.03			4.15				0.99	1.70	0.87		0.99	2.16
42 of 226	Expected		2.00		1.00	1.00	1.00			4.00				2.00	1.00	1.00	1.00	1.00	2.00
	Actual		2.15		0.00 ^a	0.82	1.00			4.04				1.93	0.77 ^c	0.80 ^d	0.00 ^e	0.93	2.07
43 of 226	Expected		1.00		1.00	1.00	1.00			4.00	1.00			3.00	1.00	1.00	1.00	1.00	1.00
	Actual		1.10		0.00 ^a	0.96	1.00			4.00	1.00			2.87	0.84	0.80 ^d	0.00 ^e	0.93	1.00
44 of 226	Expected				1.00		2.00			2.00	1.00		1.00	2.00	2.00	2.00	1.00	1.00	2.00
	Actual				0.00 ^a		2.00			2.02	1.02		1.07	1.84	1.67	1.61	0.00 ^e	0.89	2.07
45 of 226	Expected	1.00		1.00			3.00			1.00	1.00		2.00	1.00	3.00	2.00		1.00	1.00
	Actual	1.06		1.00			3.13			1.05	1.06		2.34	0.92	2.43	1.76		1.00	1.09
46 of 226	Expected	1.00		4.00	1.00		3.00						2.00		1.00	2.00		1.00	2.00
	Actual	1.16		4.00	0.00 ^a		3.22						2.13		0.97	1.76		1.05	2.14
47 of 226	Expected	1.00		5.00	1.00	1.00	2.00	1.00							2.00	1.00		1.00	2.00
	Actual	1.05		5.00	0.00 ^a	0.98	2.12	1.04							1.64	0.94		0.96	2.14
48 of 226	Expected		1.00	4.00	1.00	1.00	1.00	1.00				1.00			1.00			2.00	4.00
	Actual		1.07	4.00	0.00 ^a	1.00	1.02	1.02				0.81			0.80 ^c			2.02	4.00
49 of 226	Expected		1.00	4.00		1.00		1.00		1.00			1.00	1.00	2.00			2.00	3.00
	Actual		1.07	4.00		0.97		1.03		1.04		1.04	1.02		1.58 ^c			2.00	3.01
50 of 226	Expected	1.00	1.00	6.00						2.00		1.00	1.00		2.00			1.00	2.00
	Actual	1.03	1.06	6.00						2.08		1.03	1.00		1.57 ^c			0.99	2.14
51 of 226	Expected	1.00		5.00			1.00	1.00	3.00	1.00			1.00		3.00				1.00
	Actual	1.08		5.00			1.10	0.86	3.19	1.07			0.95		2.38 ^c				0.92
52 of 226	Expected			3.00		1.00	1.00	1.00	3.00	2.00			1.00		2.00	1.00			2.00
	Actual			2.50		1.00	1.10	0.82	2.95	2.15			1.13		1.41 ^c	0.95			2.03
53 of 226	Expected			1.00		1.00	1.00	1.00	2.00	2.00			2.00		1.00	1.00		2.00	3.00
	Actual			1.00		0.92	1.02	0.63 ^g	2.02	1.92			2.01		0.86	0.89		1.94	2.71
54 of 226	Expected			2.00	1.00	1.00				2.00	1.00		2.00		4.00	1.00		2.00	1.00
	Actual			2.00	0.00 ^a	0.98				2.17	1.03		2.34		3.47	0.90		1.95	1.03
55 of 226	Expected			3.00	1.00		1.00			2.00			1.00		4.00	2.00		1.00	2.00
	Actual			2.50	0.00 ^a		1.00			1.92			1.09		3.50	1.50 ^d		0.80 ^j	1.19
56 of 226	Expected			2.00			2.00	1.00	1.00				1.00	2.00	5.00	2.00			1.00
	Actual			1.76			2.00	0.95	1.00				1.06	1.83	3.88 ^c	1.49 ^d			1.01
57 of 226	Expected			1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00	3.00	2.00	2.00		2.00	1.00
	Actual			1.00	0.00 ^a	0.99	1.04	1.00	1.16				1.27	2.97	1.65	1.67		1.98	1.05
58 of 226	Expected			1.00	1.00	1.00	1.00		2.00				2.00	3.00	3.00	1.00		2.00	
	Actual			1.04	0.00 ^a	1.00	1.06		2.07				2.07	3.02	1.90 ^c	0.83		1.91	
59 of 226	Expected			2.00	1.00	1.00		1.00	2.00				1.00	1.00	2.00	3.00		2.00	1.00
	Actual			2.00	0.00 ^a	0.97		1.02	2.00				0.98	1.06	1.48 ^c	2.58		1.92	1.00
60 of 226	Expected			2.00			1.00	1.00	3.00				2.00		2.00	4.00			2.00
	Actual			2.00			1.21	1.08	3.04				2.16		1.71	3.58			2.29
61 of 226	Expected		1.00	1.00			1.00	1.00	1.00	1.00			1.00	2.00	1.00	4.00			3.00
	Actual		1.01	0.80 ^h			1.00	0.96	0.95	1.00			1.02	1.81	0.80 ^c	3.50			3.08
62 of 226	Expected	1.00	2.00			1.00	1.00		2.00	1.00			1.00	2.00		2.00			4.00
	Actual	1.00	2.05			0.94	1.06		1.75	1.04			1.10	1.93		1.74			3.92
63 of 226	Expected	1.00	2.00			2.00	1.00		2.00				1.00	2.00		2.00		1.00	3.00
	Actual	1.00	2.01			1.81	1.02		1.73				1.18	1.83		1.73		0.94	2.82
64 of 226	Expected	1.00	1.00	1.00		1.00	2.00		2.00		1.00		3.00			1.00		2.00	2.00
	Actual	1.03	1.03	1.00		0.93	2.11		1.68		1.03		3.15			0.95		2.03	1.73
65 of 226	Expected			2.00		2.00	3.00		2.00	1.00	1.00		4.00					2.00	
	Actual			2.23		1.78	3.01		1.85	1.00	0.99		4.48					1.72	

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)
66 of 226	Expected	1.00		3.00		1.00	2.00		1.00	1.00	1.00		4.00					1.00	2.00
	Actual	1.06		2.93		0.91	1.81		1.00	1.00	0.91		4.05					0.78 ^j	2.09
67 of 226	Expected	3.00		2.00		1.00	1.00		1.00	1.00			2.00		1.00	3.00			2.00
	Actual	3.07		2.00		0.96	1.06		1.00	1.05			2.14		0.80 ^c	2.56			2.01
68 of 226	Expected	3.00		3.00									2.00		1.00	4.00	1.00		3.00
	Actual	3.36		3.00									2.09		1.00	3.71	0.00 ^e		3.18
69 of 226	Expected	4.00		2.00									3.00		1.00	4.00	1.00		2.00
	Actual	4.07		2.00									2.79		0.94	3.64	0.00 ^e		2.14
70 of 226	Expected	2.00		2.00						1.00			3.00		1.00	2.00	1.00		5.00
	Actual	1.20 ^k		2.00						0.99			2.61		0.81	1.41 ^d	0.00 ^e		4.93
71 of 226	Expected	2.00		4.00		1.00			1.00	1.00			1.00		1.00	2.00			4.00
	Actual	2.07		4.00		0.93			0.95	1.12			0.84		0.97	1.72			4.23
72 of 226	Expected	1.00		4.00	1.00	1.00			1.00	3.00					2.00	1.00		1.00	2.00
	Actual	1.05		3.89	0.00 ^a	1.00			1.00	3.19					1.70	0.94		0.75 ^j	2.10
73 of 226	Expected			3.00	1.00	3.00			1.00	3.00	1.00		1.00	1.00	1.00	1.00		1.00	
	Actual			3.17	0.00 ^a	3.00			1.05	3.32	1.10		1.04	1.00	0.92	0.98		1.09	
74 of 226	Expected			1.00	2.00	4.00		1.00		3.00	1.00		2.00	1.00	1.00			1.00	
	Actual			1.08	0.00 ^a	4.00		1.10		3.36	1.11		2.43	0.95	0.82			1.08	
75 of 226	Expected			1.00	1.00	5.00	2.00	1.00		3.00	1.00		3.00						
	Actual			1.00	0.00 ^a	4.56	2.09	1.03		3.10	1.02		3.05						
76 of 226	Expected	1.00		2.00		3.00	2.00	1.00		3.00			3.00		1.00			1.00	
	Actual	1.02		2.02		2.69	2.05	0.98		3.00			3.03		0.71 ^c			0.96	
77 of 226	Expected	1.00		5.00		1.00	1.00			3.00			2.00	1.00	1.00			1.00	1.00
	Actual	1.09		5.00		1.02	1.07			3.17			2.21	1.04	0.86			1.05	1.11
78 of 226	Expected	2.00		4.00		1.00				3.00			1.00	1.00	1.00	1.00		1.00	2.00
	Actual	2.00		3.82		0.96				3.00			1.18	0.94	0.92	0.91		0.97	2.07
79 of 226	Expected	1.00		2.00		2.00		1.00	1.00	2.00				2.00		1.00		3.00	2.00
	Actual	1.00		1.80		1.89		1.01	0.98	2.07				2.20		0.95		2.92	2.13
80 of 226	Expected	1.00		2.00		1.00		1.00	2.00	1.00			1.00	1.00		3.00		3.00	1.00
	Actual	1.05		2.06		1.00		1.06	2.07	1.08			1.16	1.01		2.88		3.16	1.10
81 of 226	Expected	2.00		2.00		1.00	1.00	1.00	2.00				2.00		1.00	3.00		2.00	
	Actual	2.20		2.00		0.89	1.18	0.99	1.98				2.23		1.04	3.07		1.86	
82 of 226	Expected	2.00		2.00	2.00		2.00		1.00				2.00		2.00	2.00		1.00	1.00
	Actual	2.00		1.40 ^h	0.00 ^a		2.48		0.70 ^b				1.81		1.42 ^c	1.84		1.01	1.29
83 of 226	Expected	1.00		1.00	2.00	1.00	2.00	1.00			1.00		1.00	1.00	2.00	1.00		1.00	2.00
	Actual	1.18		1.00	0.04 ^a	0.84	2.80	1.02			0.99		0.94	0.85	0.96 ^c	0.97		0.99	1.62
84 of 226	Expected			3.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00	2.00			1.00	2.00
	Actual			3.08	0.06 ^a	0.81	1.49	1.02	1.00	1.09	0.94			0.78 ⁱ	0.98 ^c			0.95	1.61
85 of 226	Expected		1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00				1.00	2.00	1.00			3.00
	Actual		1.00	3.04	0.14 ^a	1.25	0.73 ⁱ	0.81	1.24	1.09				0.86	1.19 ^c	1.20			2.51
86 of 226	Expected		1.00	2.00	1.00		1.00	1.00	1.00	1.00			1.00		4.00	2.00			2.00
	Actual		0.98	1.99	0.04 ^a		0.99	1.00	1.02	1.07			0.97		3.43	1.92			1.85
87 of 226	Expected		3.00	1.00	1.00			1.00	2.00				1.00		3.00	1.00		2.00	2.00
	Actual		3.04	1.08	0.03 ^a			1.00	1.98				1.00		2.49	0.92		2.11	1.54
88 of 226	Expected		2.00	1.00			1.00	1.00	2.00		1.00		1.00	1.00	4.00			2.00	1.00
	Actual		1.98	1.05			1.00	0.99	2.01		0.95		0.96	1.31	3.36			1.95	0.95
89 of 226	Expected		1.00	2.00			2.00	1.00	1.00		1.00			1.00	4.00		1.00	2.00	1.00
	Actual		0.98	2.06			2.01	1.00	0.97		0.94			1.31	3.24 ^c		0.00 ^e	1.90	0.94
90 of 226	Expected			1.00			3.00	1.00	1.00	1.00	2.00			1.00	5.00		1.00	1.00	
	Actual			1.06			3.00	0.96	0.94	1.00	1.90			1.24	4.18		0.00 ^e	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)
91 of 226	Expected			1.00	1.00		1.00	1.00	1.00	1.00	1.00		2.00	1.00	4.00	1.00	1.00	1.00	
	Actual			1.03	0.02 ^a		1.48	0.89	0.91	1.00	0.97		1.95	1.03	3.51	0.31 ^d	0.00 ^e	0.90	
92 of 226	Expected			2.00	1.00		1.00			2.00	2.00		3.00	1.00	3.00	1.00		1.00	
	Actual			2.00	0.14 ^a		1.00			2.02	1.93		2.86	1.06	2.53	0.29 ^d		0.92	
93 of 226	Expected			2.00	1.00	1.00			1.00	1.00	3.00		4.00	1.00	2.00	1.00			
	Actual			2.04	0.04 ^a	0.83			1.00	1.10	3.02		4.03	0.92	1.71	0.90			
94 of 226	Expected			2.00	1.00	2.00			1.00	1.00	3.00		3.00		1.00	2.00			1.00
	Actual			1.94	0.06 ^a	2.10			0.37 ^b	1.02	2.91		2.92		0.83	1.94			1.00
95 of 226	Expected			1.00	2.00	1.00	1.00		1.00		2.00		2.00	1.00	2.00	2.00			2.00
	Actual			0.95	0.04 ^a	1.00	1.03		0.43 ^b		1.94		1.96	0.85	1.14 ^c	1.98			1.92
96 of 226	Expected	1.00		1.00	1.00	2.00	1.00			1.00			2.00	2.00	2.00	2.00			2.00
	Actual	0.98		1.01	0.04 ^a	1.98	1.00			1.08			1.86	2.07	1.04 ^c	1.87			1.82
97 of 226	Expected	1.00		1.00	1.00	1.00	1.00	1.00		1.00			1.00	2.00	2.00	2.00	1.00	2.00	
	Actual	1.02		1.01	0.02 ^a	1.01	1.00	1.00		1.00			0.93	2.12	1.09 ^c	1.89	0.00 ^e	1.84	
98 of 226	Expected	2.00				1.00	1.00	1.00	1.00	2.00				1.00	1.00	3.00	1.00	2.00	1.00
	Actual	1.98				0.95	1.00	0.95	0.77 ^a	2.00				0.96	0.72 ^c	2.49	0.00 ^e	1.87	0.84
99 of 226	Expected	1.00				1.00	1.00	1.00	1.00	1.00					2.00	3.00	1.00	3.00	2.00
	Actual	1.00				0.91	0.98	0.85	0.80 ^g	1.00					1.47 ^c	2.29 ^d	0.00 ^e	2.36 ^j	1.96
100 of 226	Expected	1.00		1.00		1.00	3.00		2.00	1.00					2.00	2.00	1.00	1.00	2.00
	Actual	1.03		0.90		1.00	2.55		1.39 ^g	0.80 ^m					1.64	1.50 ^d	0.00 ^e	0.70 ^j	1.73
101 of 226	Expected			1.00		1.00	2.00		1.00					2.00	3.00	2.00	1.00	1.00	3.00
	Actual			1.03		0.93	2.00		1.00					2.17	2.31 ^c	1.81	0.00 ^e	0.98	2.88
102 of 226	Expected	1.00	1.00			1.00	2.00		2.00				1.00	2.00	3.00	1.00		1.00	2.00
	Actual	1.00	1.03			1.00	2.10		1.99				1.04	2.22	2.29 ^c	0.89		1.03	2.01
103 of 226	Expected	1.00	3.00			1.00	1.00		1.00	2.00			1.00	2.00	2.00			1.00	2.00
	Actual	0.96	3.15			1.12	1.00		0.93	2.14			0.96	2.18	1.48 ^c			0.89	1.96
104 of 226	Expected	1.00	4.00	1.00	1.00				2.00	2.00	1.00		1.00		1.00	1.00		1.00	1.00
	Actual	0.98	4.10	0.32 ^a	1.06				1.92	2.08	1.00		0.96		0.83	0.98		0.99	0.99
105 of 226	Expected			4.00	1.00		1.00		1.00	2.00	1.00					2.00		3.00	2.00
	Actual			3.50	0.00 ^a		1.02		0.97	2.00	1.01					1.83		2.99	2.03
106 of 226	Expected		1.00	2.00			2.00		3.00		1.00				2.00	2.00		3.00	1.00
	Actual		1.03	2.04			2.07		2.44		0.94				1.64	1.90		2.93	1.00
107 of 226	Expected	1.00	1.00	2.00		1.00	3.00		2.00	1.00					3.00	1.00		1.00	1.00
	Actual	0.99	1.00	2.05		1.06	2.99		1.44 ^g	1.01					2.36 ^c	0.95		0.96	0.96
108 of 226	Expected	1.00	1.00	1.00		1.00	2.00		3.00	1.00					4.00	1.00		1.00	1.00
	Actual	1.00	0.99	1.08		1.05	2.04		2.32 ^g	1.03					3.24 ^c	0.99		1.00	1.02
109 of 226	Expected	1.00		3.00		1.00	3.00	Expected	1.00	2.00					3.00	1.00		1.00	1.00
	Actual	1.07		3.00		0.93	3.28		1.04	2.17					2.45	0.90		0.95	1.09
110 of 226	Expected			3.00			3.00		1.00	2.00	1.00		1.00		2.00	1.00		1.00	2.00
	Actual			3.09			3.02		0.94	2.09	1.00		0.99		1.66	0.95		0.95	1.95
111 of 226	Expected			4.00			3.00		1.00	2.00	1.00		2.00		2.00	1.00			1.00
	Actual			4.03			3.00		0.99	2.14	1.00		1.97		1.64	0.99			1.00
112 of 226	Expected			3.00	1.00		2.00		2.00		1.00		2.00	1.00	1.00	2.00			2.00
	Actual			3.31	0.03 ^a		2.16		2.09		1.00		2.06	0.96	0.87	2.02			2.03
113 of 226	Expected	1.00		3.00	1.00	2.00	1.00		2.00				1.00	2.00		2.00			2.00
	Actual	0.96		3.06	0.02 ^a	2.07	1.02		1.94				1.00	1.86		1.92			1.83
114 of 226	Expected	1.00		2.00	1.00	4.00			1.00					2.00	1.00	1.00		1.00	3.00
	Actual	0.96		1.95	0.08 ^a	3.93			1.00					1.82	0.67 ^c	0.82		1.00	2.80
115 of 226	Expected	3.00		1.00		3.00	1.00		2.00			1.00		1.00	1.00	1.00		1.00	2.00
	Actual	3.18		1.00		2.85	1.07		1.67			0.96		0.94	0.80 ^c	0.89		0.87	2.14

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)	
116 of 226	Expected	2.00	1.00	1.00		3.00	1.00		2.00			1.00			2.00	1.00		2.00	1.00	
	Actual	1.99	1.04	1.07		3.04	1.03		1.62			1.00			1.51 ^c	0.94		1.98	1.00	
117 of 226	Expected	2.00	1.00	2.00		2.00	2.00			3.00		1.00			1.00	1.00		1.00	1.00	
	Actual	1.92	1.00	2.04		2.11	1.97			3.16		0.94			0.79 ^c	0.91		1.00	0.94	
118 of 226	Expected		1.00	3.00		3.00	1.00			4.00			1.00	1.00	1.00				2.00	
	Actual		0.98	3.02		3.16	1.00			4.14			0.94	1.18	0.76 ^c				1.93	
119 of 226	Expected			3.00		2.00	2.00			4.00			1.00	1.00	1.00				2.00	1.00
	Actual			3.00		1.96	1.99			4.24			1.05	1.04	0.84				1.81	0.98
120 of 226	Expected	1.00		4.00	1.00		2.00			1.00			1.00	1.00	1.00	2.00			2.00	1.00
	Actual	1.10		4.00	0.00 ^a		2.26			1.19			1.08	1.03	0.96	1.80			2.16	1.14
121 of 226	Expected	1.00		4.00	1.00		2.00					1.00			2.00	3.00			1.00	2.00
	Actual	1.15		3.74	0.00 ^a		2.18					1.01			1.86	2.75			1.00	2.10
122 of 226	Expected	2.00		3.00	2.00		1.00		1.00			1.00	1.00		1.00	3.00			1.00	1.00
	Actual	1.80		2.82	0.00 ^a		1.10		0.91			1.08	1.05		1.00	2.41			1.00	0.92
123 of 226	Expected	1.00		2.00	1.00		2.00		2.00	1.00		1.00	1.00	1.00	2.00	1.00			1.00	1.00
	Actual	1.00		2.02	0.03 ^a		2.01		1.57 ^b	1.10		0.94	0.95	1.04	1.71	0.91			0.91	1.08
124 of 226	Expected	1.00	2.00	2.00	1.00		2.00		2.00	1.00				2.00	3.00					1.00
	Actual	1.00	1.90	2.02	0.02 ^a		1.97		1.42 ^b	1.05				2.02	2.18 ^c					0.92
125 of 226	Expected	1.00	2.00	3.00			1.00		2.00	1.00				2.00	4.00					1.00
	Actual	1.00	1.95	2.99			0.97		1.95	1.06				2.37	3.06 ^c					0.97
126 of 226	Expected	2.00	1.00	4.00			1.00		3.00	1.00				1.00	3.00	1.00				
	Actual	2.20	1.00	4.00			0.99		2.75	1.10				0.90	2.39 ^c	1.04				
127 of 226	Expected	2.00		3.00			1.00		4.00	1.00				1.00	3.00	1.00	1.00			
	Actual	2.26		3.00			0.93		4.15	1.23				1.02	2.87	1.04	0.00 ^e			
128 of 226	Expected	1.00		2.00		1.00			2.00	1.00				1.00	3.00	3.00	1.00			2.00
	Actual	0.98		1.70		0.97			1.88	1.00				0.94	2.30 ^c	2.44	0.00 ^e			2.07
129 of 226	Expected			1.00		3.00			2.00	1.00				1.00	2.00	3.00	1.00	1.00	1.00	2.00
	Actual			0.41 ^h		2.99			1.62	1.00				0.47 ^j	1.27 ^c	2.57	0.00 ^e	1.00	1.88	
130 of 226	Expected					3.00			2.00	1.00				1.00	2.00	3.00			1.00	4.00
	Actual					3.00			2.05	1.14				1.04	1.60 ^c	2.65			1.00	4.46
131 of 226	Expected	1.00		1.00	1.00	1.00			2.00	1.00				1.00	1.00	3.00			2.00	3.00
	Actual	1.25		1.14	0.00 ^a	1.00			1.61	1.00				0.78 ⁱ	0.87	2.34 ^d			1.67	2.78
132 of 226	Expected	1.00	1.00	3.00	2.00		1.00		1.00					2.00		2.00			1.00	3.00
	Actual	1.02	0.98	3.04	0.08 ^a		1.00		0.70 ^g					1.74		1.75			1.09	2.69
133 of 226	Expected	1.00	1.00	3.00	3.00		1.00			2.00	2.00			1.00		1.00			1.00	1.00
	Actual	1.00	0.99	3.03	0.05 ^a		0.99			2.11	1.97			0.79 ^j		1.00			0.99	0.97
134 of 226	Expected	1.00	1.00	3.00	2.00	1.00	1.00			2.00	2.00			1.00	1.00	1.00			1.00	
	Actual	1.00	0.99	2.99	0.06 ^a	0.98	0.98			2.09	1.95			0.79 ^j	0.72 ^c	0.94			1.00	
135 of 226	Expected	2.00		2.00	1.00	2.00			1.00	2.00	3.00				1.00	2.00			1.00	
	Actual	2.02		2.04	0.03 ^a	2.15			0.97	2.09	2.93				0.86	1.96			1.00	
136 of 226	Expected	3.00	1.00	1.00	1.00	1.00		1.00	1.00	2.00	1.00				2.00	2.00			1.00	
	Actual	2.74	1.00	1.00	0.06 ^a	0.96		0.97	0.84	2.00	0.84				1.30 ^c	1.49 ^d			0.81	
137 of 226	Expected	2.00	1.00	3.00		2.00		1.00	1.00	3.00					1.00	2.00				1.00
	Actual	1.95	1.00	2.93		1.98		0.97	0.85	3.11					0.76 ^c	1.65				0.96
138 of 226	Expected	1.00	1.00	2.00		1.00		1.00		3.00		1.00	1.00		3.00	2.00				1.00
	Actual	0.90	0.91	1.88		0.96		0.92		3.06		1.03	1.03		2.17 ^c	1.74				1.00
139 of 226	Expected	1.00		4.00		1.00				1.00		1.00	2.00		4.00	2.00				1.00
	Actual	0.99		3.97		1.04				1.07		0.94	1.97		3.34	1.88				1.00
140 of 226	Expected	2.00		3.00						2.00		1.00	2.00		4.00	2.00				1.00
	Actual	1.98		2.94						2.14		1.00	1.93		2.97 ^c	1.68				1.00

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)
141 of 226	Expected	2.00		4.00			1.00			2.00			2.00		3.00	1.00		1.00	1.00
	Actual	1.93		3.98			1.00			2.07			1.80		2.41 ^c	0.98		0.90	0.98
142 of 226	Expected	1.00		3.00		1.00	1.00			2.00			1.00	1.00	3.00	1.00		1.00	2.00
	Actual	0.77 ^k		3.01		1.05	1.00			2.10			0.95	1.05	2.56	0.92		0.96	1.98
143 of 226	Expected		2.00	3.00		1.00	1.00		1.00	2.00				1.00	4.00			1.00	1.00
	Actual		1.91	3.09		1.20	1.00		0.87	2.04				1.43	2.95 ^c			0.99	0.95
144 of 226	Expected	1.00	4.00	1.00		1.00	1.00		2.00	1.00				1.00	4.00				1.00
	Actual	0.95	3.83	1.00		1.00	0.96		1.91	1.03				1.10	3.05 ^c				0.95
145 of 226	Expected	2.00	3.00	2.00		1.00	1.00		2.00	3.00					3.00				
	Actual	1.98	2.79	1.98		1.10	1.00		1.74	3.24					2.18 ^c				
146 of 226	Expected	2.00	1.00	1.00		1.00	1.00		1.00	3.00	1.00		1.00		2.00	1.00			2.00
	Actual	1.80	0.91	1.01		1.00	0.91		0.89	3.19	0.99		1.00		1.47 ^c	0.95			1.75
147 of 226	Expected			1.00		1.00	2.00			4.00	1.00		1.00		2.00	2.00			3.00
	Actual			1.00		1.00	1.94			4.06	0.93		0.92		1.50 ^c	1.77			2.57
148 of 226	Expected			2.00			2.00			1.00	2.00				3.00	2.00		1.00	4.00
	Actual			2.12			2.08			1.08	1.99				2.31 ^c	1.83		1.00	3.66
149 of 226	Expected			2.00	1.00		3.00			2.00	2.00				2.00	2.00		1.00	2.00
	Actual			2.06	0.02 ^a		3.08			2.16	2.01				1.11 ^c	1.82		1.00	2.00
150 of 226	Expected	2.00		2.00	2.00		1.00		1.00	2.00	2.00				2.00	1.00		1.00	1.00
	Actual	2.08		1.86	0.04 ^a		1.02		1.00	2.15	1.73				1.03 ^c	0.91		0.74 ^f	0.84
151 of 226	Expected	3.00		2.00	1.00	1.00	2.00		1.00	2.00	1.00				1.00	1.00		2.00	
	Actual	3.23		2.14	0.09 ^a	1.14	2.05		1.00	2.14	0.96				0.78 ^c	0.95		1.93	
152 of 226	Expected	3.00		2.00	1.00	1.00	2.00		1.00	2.00		1.00		1.00				2.00	1.00
	Actual	2.93		2.03	0.08 ^a	1.06	2.02		0.96	1.99		1.00		0.86				1.97	0.99
153 of 226	Expected	3.00		2.00		2.00	2.00		1.00	1.00		1.00		1.00				2.00	2.00
	Actual	2.89		2.04		2.02	2.01		0.97	0.98		1.00		1.14				1.96	1.95
154 of 226	Expected	3.00	1.00	1.00		1.00	1.00		1.00	1.00		3.00		1.00		1.00		1.00	2.00
	Actual	2.99	1.00	1.02		1.08	1.00		0.93	0.98		2.89		1.11		0.97		1.00	1.90
155 of 226	Expected	3.00	1.00	1.00		1.00	3.00		1.00	1.00		2.00			1.00	1.00		1.00	1.00
	Actual	2.84	0.93	0.94		1.00	3.03		0.95	1.02		1.82			0.76 ^c	0.92		0.93	0.87
156 of 226	Expected	1.00					5.00		1.00	3.00		3.00			1.00	1.00		1.00	1.00
	Actual	1.01					5.00		0.99	2.98		2.77			0.85	0.85		0.80 ^j	1.02
157 of 226	Expected	3.00					4.00		2.00	3.00		1.00			2.00	1.00			1.00
	Actual	3.11					4.00		1.89	2.96		0.92			1.63	0.86			1.01
158 of 226	Expected	4.00					2.00		1.00	4.00			1.00	1.00	2.00	1.00			1.00
	Actual	4.13					1.98		0.97	4.00			1.00	0.93	1.58 ^c	0.85			1.01
159 of 226	Expected	5.00	1.00	1.00		1.00			1.00	3.00			1.00	1.00	2.00			1.00	
	Actual	4.96	1.00	1.05		0.98			0.86	3.24			0.92	1.01	1.44 ^c			0.93	
160 of 226	Expected	3.00	1.00	2.00		2.00				4.00			1.00		1.00	1.00		1.00	1.00
	Actual	2.99	1.00	2.07		2.11				4.15			0.91		0.83	0.93		0.99	0.99
161 of 226	Expected	2.00	1.00	3.00		4.00				3.00						1.00		1.00	2.00
	Actual	1.83	0.84	2.80		3.97				2.95						0.95		1.00	1.82
162 of 226	Expected	3.00		2.00		4.00			1.00	3.00	1.00				1.00	1.00			1.00
	Actual	3.05		2.09		4.34			1.00	3.34	1.00				0.83	0.97			0.96
163 of 226	Expected	3.00		3.00		3.00			2.00	2.00	2.00		1.00		1.00				
	Actual	2.92		2.94		2.87			1.87	1.96	1.90		1.00		0.81				
164 of 226	Expected	4.00		3.00					3.00	1.00	1.00		2.00		2.00				1.00
	Actual	4.19		3.25					2.80	0.92	1.00		1.98		1.77				0.86
165 of 226	Expected	3.00		5.00					2.00		1.00		1.00		3.00				2.00
	Actual	3.36		5.34					2.04		1.00		1.22		2.98				2.11

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)
166 of 226	Expected	3.00		2.00		2.00			2.00				1.00		3.00	2.00			2.00
	Actual	2.95		2.13		2.10			1.77				1.00		2.21 ^c	1.86			1.70
167 of 226	Expected	3.00		2.00		2.00		1.00	2.00						1.00	4.00			2.00
	Actual	3.07		1.97		2.17		1.00	2.00						0.80 ^c	3.92			1.88
168 of 226	Expected	3.00		1.00		2.00		1.00	3.00	1.00	1.00					4.00			1.00
	Actual	2.93		1.04		2.05		0.97	2.93	1.11	1.00					3.77			0.98
169 of 226	Expected	1.00		3.00		2.00		1.00	3.00	1.00	1.00					2.00			3.00
	Actual	1.00		3.10		2.15		0.86	2.70	0.95	0.99					1.88			2.59
170 of 226	Expected	2.00		4.00		3.00	1.00		1.00	2.00	1.00				1.00				2.00
	Actual	1.94		3.93		3.10	1.00		0.91	2.08	0.86				0.82				1.61
171 of 226	Expected	1.00		3.00		3.00	1.00	1.00		3.00					2.00	1.00			2.00
	Actual	1.07		3.06		3.12	1.04	1.01		3.33					1.72	0.95			1.45 ^g
172 of 226	Expected	2.00	1.00	2.00		2.00	1.00	2.00		3.00			1.00		2.00	1.00			
	Actual	1.82	0.99	2.02		1.95	1.00	1.99		3.19			0.98		1.65	0.95			
173 of 226	Expected	1.00	1.00	2.00		3.00		1.00	2.00	2.00			1.00		3.00	1.00			
	Actual	1.00	0.95	2.03		3.22		0.94	2.01	2.13			0.95		2.45	0.92			
174 of 226	Expected	2.00	1.00	3.00		2.00		1.00	3.00	1.00			1.00		2.00			1.00	
	Actual	1.83	1.00	3.13		1.92		0.93	2.82	1.03			0.86		1.40 ^c			0.88	
175 of 226	Expected	2.00	1.00	4.00		2.00			3.00	1.00					3.00			1.00	
	Actual	1.90	0.97	3.99		2.05			2.91	1.00					2.35 ^c			0.91	
176 of 226	Expected	1.00	2.00	4.00		3.00			2.00	2.00					1.00			1.00	1.00
	Actual	1.00	1.96	4.10		3.20			1.92	2.07					0.79 ^c			0.89	0.96
177 of 226	Expected	2.00	2.00	2.00		3.00	1.00		2.00	2.00					1.00	1.00			1.00
	Actual	1.91	1.92	1.87		2.95	1.00		1.84	2.11					0.72 ^c	0.92			0.91
178 of 226	Expected	3.00	2.00	3.00		2.00	1.00		1.00	3.00						1.00			1.00
	Actual	3.16	1.97	2.92		1.98	1.00		0.94	3.30						0.95			0.89
179 of 226	Expected	3.00	1.00	1.00		1.00	1.00		1.00	4.00			1.00		1.00	1.00			2.00
	Actual	3.12	1.05	1.00		0.96	0.99		0.92	4.10			1.05		0.83	0.84			2.16
180 of 226	Expected	3.00		2.00		2.00				2.00	1.00		1.00		1.00	1.00		1.00	3.00
	Actual	2.96		1.97		2.18				1.93	0.85		0.83		0.83	0.94		1.00	2.64
181 of 226	Expected		3.00	1.00		2.00	1.00			2.00	1.00				2.00	1.00		1.00	3.00
	Actual		2.96	0.95		2.09	1.00			2.13	0.95				1.60 ^c	0.94		1.00	2.75
182 of 226	Expected	1.00	3.00	1.00		3.00	1.00		1.00	1.00	2.00				1.00	1.00		1.00	1.00
	Actual	1.00	2.77	1.13		3.08	0.92		1.00	0.97	1.77				0.75 ^c	0.83		0.81	0.85
183 of 226	Expected	1.00	2.00	1.00	1.00	4.00	1.00		1.00	1.00	2.00				2.00				1.00
	Actual	0.92	1.81	1.00	0.07 ^a	4.08	0.90		0.95	1.01	1.83				1.53 ^c				0.91
184 of 226	Expected	1.00	1.00	2.00	1.00	4.00	1.00		1.00		2.00				2.00			1.00	1.00
	Actual	1.00	0.98	2.05	0.12 ^a	4.18	1.00		1.00		1.87				1.70			0.97	0.93
185 of 226	Expected		1.00	2.00	2.00	2.00	3.00				1.00		1.00		2.00	1.00		1.00	1.00
	Actual		0.96	1.97	0.13 ^a	1.90	2.95				0.92		0.93		1.47 ^c	0.91		1.00	0.89
186 of 226	Expected		1.00	2.00	1.00		3.00	1.00	2.00				2.00		2.00	1.00		1.00	1.00
	Actual		1.00	2.02	0.07 ^a		3.07	1.00	1.84				1.81		1.80	1.00		0.95	0.81
187 of 226	Expected	1.00		3.00	1.00		3.00	1.00	2.00				1.00	1.00	2.00	1.00			1.00
	Actual	1.04		3.01	0.05 ^a		2.95	1.02	2.01				1.00	1.19	1.68	0.77 ^d			0.90
188 of 226	Expected	1.00		2.00			1.00	1.00	2.00	3.00			2.00	1.00	2.00	1.00			1.00
	Actual	0.99		1.88			1.00	0.99	1.77	3.00			2.01	0.86	1.52 ^c	0.85			0.89
189 of 226	Expected	1.00		2.00			1.00	1.00		5.00			1.00	2.00	1.00	2.00			1.00
	Actual	0.96		2.02			1.00	0.98		5.07			0.96	2.40	0.86	1.91			0.93
190 of 226	Expected	1.00		2.00				1.00		4.00	2.00		1.00	1.00		2.00		1.00	2.00
	Actual	1.00		2.05				0.99		4.20	1.95		0.93	1.26		2.00		0.99	1.94

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)	
191 of 226	Expected	1.00		2.00	1.00		1.00		1.00	2.00	2.00			1.00	1.00	1.00	1.00	1.00	1.00	2.00
	Actual	1.00		2.00	0.04 ^a		1.00		0.49 ^b	2.02	1.92			1.06	0.86	0.92	0.00 ^e	0.89	1.88	
192 of 226	Expected	1.00		2.00	1.00		3.00		2.00		2.00				1.00		1.00	2.00	2.00	
	Actual	1.00		2.16	0.04 ^a		3.17		1.60 ^b		1.91				0.77 ^c		0.00 ^e	2.03	1.95	
193 of 226	Expected		1.00	2.00	1.00	1.00	3.00		2.00	1.00				1.00	1.00			2.00	2.00	
	Actual		1.00	2.09	0.05 ^a	1.02	3.00		1.44 ^b	0.93				0.90	0.81			1.87	1.88	
194 of 226	Expected		1.00	2.00		1.00	2.00		1.00	3.00				1.00	1.00			3.00	2.00	
	Actual		1.00	2.10		1.00	1.97		0.83	3.09				1.07	0.72 ^c			2.75	1.91	
195 of 226	Expected		2.00	3.00		1.00	1.00			3.00			1.00	1.00	1.00			1.00	3.00	
	Actual		1.95	3.04		0.98	1.00			3.07			0.89	0.99	0.77 ^c			0.90	2.74	
196 of 226	Expected		2.00	2.00			1.00			1.00		1.00	2.00		2.00	1.00		1.00	4.00	
	Actual		2.06	1.97			1.00			0.90		1.02	1.95		1.69	1.01		0.85	3.77	
197 of 226	Expected		3.00			1.00	1.00			1.00		1.00	2.00	2.00	1.00	1.00			4.00	
	Actual		3.05			0.94	1.00			1.13		0.96	1.95	2.36	0.76 ^c	0.90			3.77	
198 of 226	Expected		2.00	1.00		2.00				2.00		1.00	2.00	2.00	2.00				3.00	
	Actual		1.84	1.00		1.88				2.04		0.87	1.85	2.39	1.40 ^c				2.74	
199 of 226	Expected		1.00	3.00	1.00	1.00			1.00	2.00			1.00	2.00	1.00			1.00	3.00	
	Actual		1.00	3.08	0.06 ^a	1.07			0.96	2.07			0.98	1.93	0.76 ^c			0.97	2.91	
200 of 226	Expected			4.00	1.00	1.00			2.00				2.00		2.00	1.00		1.00	3.00	
	Actual			4.00	0.00 ^a	0.99			1.94				1.91		1.82	0.93		0.88	3.11	
201 of 226	Expected		1.00	3.00	1.00	1.00		1.00	1.00	1.00			1.00		1.00	2.00		1.00	3.00	
	Actual		1.00	2.16 ^h	0.07 ^a	1.09		1.01	0.99	1.10			0.96		0.83	1.83		0.42 ^j	2.80	
202 of 226	Expected		1.00	2.00		1.00		1.00	2.00	1.00			1.00	1.00	1.00	1.00		1.00	4.00	
	Actual		1.05	2.00		0.98		1.04	1.86	1.05			1.14	1.01	0.82	0.90		1.02	4.22	
203 of 226	Expected			3.00		1.00		1.00	1.00	2.00	1.00			1.00		2.00		1.00	4.00	
	Actual			3.03		1.00		0.95	0.77 ^g	2.03	0.95			1.01		1.87		0.91	3.62	
204 of 226	Expected	1.00		4.00		3.00			1.00	1.00	1.00		1.00	1.00		1.00		1.00	2.00	
	Actual	0.97		3.91		3.19			0.89	1.00	0.93		0.94	0.61 ⁱ		0.96		0.89	1.80	
205 of 226	Expected	1.00		2.00		3.00				2.00	3.00		1.00	1.00		1.00		1.00	2.00	
	Actual	1.00		2.04		3.23				2.09	2.91		0.94	0.70 ^j		0.97		0.92	1.88	
206 of 226	Expected	1.00		3.00		2.00				2.00	2.00		2.00	2.00		1.00		1.00	1.00	
	Actual	0.89		2.98		1.82				1.99	1.75		1.77	2.02		1.00		0.82	0.86	
207 of 226	Expected			3.00						2.00	2.00		2.00	3.00		2.00		2.00	1.00	
	Actual			3.01						2.04	1.92		1.86	3.68		1.96		2.00	1.00	
208 of 226	Expected			4.00		1.00				4.00			2.00	1.00	2.00	2.00		1.00		
	Actual			3.89		0.94				4.06			1.75	1.00	1.58 ^c	1.83		0.85		
209 of 226	Expected	1.00		2.00		3.00				5.00	1.00		1.00		2.00	1.00		1.00		
	Actual	0.96		2.10		3.14				5.43	1.00		0.96		1.64	0.99		0.98		
210 of 226	Expected	2.00		1.00		3.00				4.00	2.00		1.00		3.00	1.00				
	Actual	1.98		0.98		2.96				4.03	1.83		1.00		2.29 ^g	0.92				
211 of 226	Expected	2.00				4.00				3.00	2.00		1.00		1.00	3.00			1.00	
	Actual	1.94				4.14				3.21	1.83		1.00		0.83	2.80			0.98	
212 of 226	Expected	1.00		1.00		4.00	1.00		1.00	3.00			1.00		1.00	3.00			1.00	
	Actual	0.64 ^k		1.44		3.91	1.00		1.37	2.78			0.64 ⁿ		0.79 ^c	2.60			1.24	
213 of 226	Expected			2.00		3.00	1.00		2.00	2.00					1.00	3.00		1.00	2.00	
	Actual			2.12		2.97	1.00		1.94	1.99					0.75 ^c	2.39 ^d		0.95	1.85	
214 of 226	Expected			4.00		1.00	1.00		2.00	4.00	1.00				1.00	1.00		1.00	1.00	
	Actual			3.87		0.93	0.73 ^l		1.56 ^b	4.22	1.00				0.68 ^c	1.02		1.00	0.97	
215 of 226	Expected		1.00	4.00		1.00			1.00	3.00	1.00		1.00		1.00	1.00		2.00	1.00	
	Actual		1.00	4.08		1.08			0.88	3.03	0.95		0.92		0.66 ^c	0.85		1.98	0.92	

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)	
216 of 226	Expected		1.00	2.00		1.00			1.00	3.00	2.00		1.00	1.00			3.00	1.00	1.00	
	Actual		1.00	2.05		1.04			0.85	3.07	1.88		0.93	0.99			0.00 ^e	0.98	0.93	
217 of 226	Expected			1.00		1.00			3.00	1.00	1.00		1.00	1.00	1.00		4.00	1.00	2.00	
	Actual			1.06		1.00			2.41	0.91	1.03		1.14	0.94	1.04		0.00 ^e	1.02	1.91	
218 of 226	Expected								2.00	3.00			1.00	1.00	1.00		4.00		5.00	
	Actual								0.95 ^g	3.00			0.90	0.82	0.80 ^c		0.00 ^e		2.31 ^g	
219 of 226	Expected				1.00				2.00	5.00			2.00		2.00				5.00	
	Actual				0.00 ^a				0.82 ^g	5.00			2.09		1.61				2.71 ^g	
220 of 226	Expected				3.00		1.00			5.00			2.00		2.00	1.00			3.00	
	Actual				0.00 ^a		1.10			5.00			1.96		1.92	1.34			2.19 ^g	
221 of 226	Expected			1.00	7.00		2.00			3.00			1.00		1.00	1.00			1.00	
	Actual			1.00	0.00 ^a		1.95			2.50			0.91		0.75 ^c	1.03			0.95	
222 of 226	Expected		1.00	1.00	5.00		2.00			2.00		1.00			3.00	2.00				
	Actual		0.96	1.00	0.18 ^a		1.94			2.02		0.91			2.63	1.87				
223 of 226	Expected		1.00	2.00	6.00		3.00			1.00		1.00			2.00	1.00				
	Actual		1.00	2.07	0.20 ^a		3.07			1.07		0.96			1.74	0.98				
224 of 226	Expected		1.00	1.00	3.00		2.00			1.00	1.00	1.00		1.00	3.00	2.00			1.00	
	Actual		0.95	1.00	0.10 ^a		1.99			1.03	0.98	0.90		1.08	2.43	1.87			1.00	
225 of 226	Expected			1.00	3.00	2.00	1.00			1.00	2.00		1.00	1.00	1.00	1.00			2.00	1.00
	Actual			1.00	0.13 ^a	2.14	1.02			1.00	2.00		0.91	0.80 ⁱ	0.67 ^c	0.90			2.05	0.97
226 of 226	Expected					3.00		1.00		1.00	2.00		1.00	1.00		1.00			2.00	2.00
	Actual					3.37		0.96		1.00	1.98		0.90	0.72 ^j		0.98			2.07	1.88

^aCys was completely destroyed during hydrolysis

^bIle was partially destroyed during hydrolysis

^cSer was partially destroyed during hydrolysis

^dThr was partially destroyed during hydrolysis

^eTrp was completely destroyed during hydrolysis

^fArg was partially destroyed during hydrolysis

^gIle-Ile, Val-Val, Ile-Val and/or Val-Ile bonds were partially destroyed during hydrolysis

^hAsp/Asn was partially destroyed during hydrolysis

ⁱPro was partially destroyed during hydrolysis

^jTyr was partially destroyed during hydrolysis

^kAla was partially destroyed during hydrolysis

^lGly was partially destroyed during hydrolysis

^mLeu was partially destroyed during hydrolysis

ⁿPhe was partially destroyed during hydrolysis

Date: 09 July 2007

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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