

Peptide Array, Dengue Virus Type 2, New Guinea C, Nonstructural Protein 5

Catalog No. NR-50709

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Product Description: The 156-peptide array spans the nonstructural protein 5 (NS5) of the New Guinea C (NGC) strain of dengue virus type 2 (DEN-2) (GenPept: [AAA42941](#)). Peptides are 15- to 17-mers, with 11 to 13 amino acid overlaps.

Lot: P50709-1 to P50709-156

The following information applies to all peptides:

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

Peptide-specific information is shown in the tables below.

Table 1						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
1 of 156	4/14/2017	17	1-GTGNIGETLGEKWKSRL-17	1846	80%	86.3%
2 of 156	4/22/2017	17	6-GETLGEKWKSRLNALGK-22	1887	96%	78%
3 of 156	4/11/2017	17	12-KWKSRLNALGKSEFQIY-28	2068	80%	90.6%
4 of 156	4/22/2017	17	18-NALGKSEFQIYKKSGIQ-34	1911	93.8%	52%
5 of 156	4/14/2017	17	23-SEFQIYKKSGIQEVDRT-39	2028	80%	54.5%
6 of 156	4/21/2017	17	29-KKSGIQEVDRTLAKEGI-45	1872	80%	58.9%
7 of 156	4/22/2017	17	33-IQEVDRTLAKEGIKRGE-49	1942	80%	67.9%
8 of 156	4/17/2017	17	39-TLAKEGIKRGETDHHAV-55	1862	80%	63.3%
9 of 156	4/22/2017	17	45-IKRGETDHHAVSRGSAK-61	1849	80%	69.8%
10 of 156	4/14/2017	17	51-DHHAVSRGSAKLRWFVE-67	1995	80%	59.0%
11 of 156	4/24/2017	16	57-RGSAKLRWFVERNMVT-72	1950	80%	50%
12 of 156	4/24/2017	17	62-LRWFVERNMVTPEGKVV-78	2060	80%	74.3%
13 of 156	4/11/2017	17	68-RNMVTPEGKVVDLGCGR-84	1831	80%	80.9%
14 of 156	4/17/2017	17	73-PEGKVVDLGCGRGGWSY-89	1780	80%	73.6%
15 of 156	4/24/2017	17	79-DLGCGRGGWSYCGGLK-95	1792	80%	64.8%
16 of 156	4/21/2017	17	85-GGWSYCGGLKNVREVK-101	1916	80%	72.7%
17 of 156	4/19/2017	17	91-CGGLKNVREVKGLTKGG-107	1716	80%	58.9%
18 of 156	4/17/2017	16	97-VREVKGLTKGGPGHEE-112	1693	80%	66.4%
19 of 156	4/14/2017	17	102-GLTKGGPGHEEIPMST-118	1708	80%	83.6%
20 of 156	4/14/2017	17	108-PGHEEIPMSTYGWNLV-124	1927	80%	91.5%
21 of 156	4/13/2017	17	114-IPMSTYGWNLVRLQSGV-130	1921	80%	59.6%
22 of 156	4/19/2017	16	120-GWNLVRLQSGVDVFFT-135	1838	80%	64.0%
23 of 156	4/13/2017	17	125-RLQSGVDVFFTPEKCD-141	1938	80%	60.8%
24 of 156	4/18/2017	17	131-DVFFTPEKCDTLLCDI-147	1956	80%	87%
25 of 156	4/22/2017	17	137-PEKCDTLLCDIGESSPN-153	1821	94.6%	53.8%

Table 1 (continued)						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
26 of 156	4/12/2017	17	143-LLCDIGESSPNPTVEAG-159	1702	80%	89.8%
27 of 156	4/12/2017	17	148-GESSPNPTVEAGRTRLRV-164	1770	80%	77.2%
28 of 156	4/20/2017	17	154-PTVEAGRTRLRVLNLVEN-170	1881	80%	58.8%
29 of 156	4/22/2017	17	160-RTLRLVNLVENWLNNT-176	2069	86.5%	62.4%
30 of 156	4/24/2017	17	166-NLVENWLNNTQFCIKV-182	2049	80%	93.0%
31 of 156	4/20/2017	16	172-LNNNTQFCIKVLNPYM-187	1912	80%	70.4%
32 of 156	4/22/2017	17	176-TQFCIKVLNPYMPSVIE-192	1982	86.9%	87.4%
33 of 156	4/13/2017	17	182-VLNPYMPSVIEKMEALQ-198	1962	96.8%	82.0%
34 of 156	4/22/2017	17	188-PSVIEKMEALQRKYGGA-204	1877	88.9%	69.2%
35 of 156	4/13/2017	17	194-MEALQRKYGGALVRNPL-210	1916	80%	64.3%
36 of 156	4/14/2017	17	200-KYGGALVRNPLSRNSTH-216	1870	80%	64.4%
37 of 156	4/20/2017	16	206-VRNPLSRNSTHEMYWL-221	2003	80%	71.9%
38 of 156	4/26/2017	17	211-SRNSTHEMYWLSNASGN-227	1954	80%	53.5%
39 of 156	4/24/2017	17	216-HEMYWLSNASGNIVSSV-232	1894	87.3%	51.1%
40 of 156	4/14/2017	17	222-SNASGNIVSSVNMISRM-238	1767	80%	60.7%
41 of 156	4/24/2017	17	228-IVSSVNMISRMILINRFT-244	1981	80%	62.3%
42 of 156	4/22/2017	17	234-MISRMILINRFTMRHKA-250	2134	80%	83.8%
43 of 156	4/19/2017	17	240-INRFTMRHKKATYEPDV-256	2106	80%	62.9%
44 of 156	4/19/2017	17	246-RHKKATYEPDVLGSGT-262	1874	80%	68.3%
45 of 156	4/13/2017	17	252-YEPDVLGSGTRNIGIE-268	1835	96.5%	95.8%
46 of 156	4/14/2017	17	258-LGSGTRNIGIESEIPNL-274	1770	80%	84.2%
47 of 156	4/14/2017	17	264-NIGIESEIPNLDIIGKR-280	1881	91.1%	78.6%
48 of 156	4/20/2017	17	269-SEIPNLDIIGKRIEKIK-285	1966	80.5%	86%
49 of 156	4/11/2017	16	275-DIIGKRIEKIKQEHET-290	1937	99%	61.4%
50 of 156	4/17/2017	17	280-RIEKIKQEHETSWHYDQ-296	2227	99.1%	66.3%
51 of 156	4/20/2017	17	285-QEHETSWHYDQDHPYK-301	2228	99.6%	57.1%
52 of 156	4/26/2017	17	291-SWHYDQDHPYKTWAYHG-307	2191	80%	82.9%
53 of 156	4/11/2017	17	297-DHPYKTWAYHGSYETKQ-313	2111	80%	83.2%
54 of 156	4/17/2017	15	303-WAYHGSYETKQTGSA-317	1686	94.8%	71.0%
55 of 156	4/22/2017	17	307-GSYETKQTGSASSMGNG-323	1662	80%	95%
56 of 156	4/13/2017	17	312-KQTGSASSMGNGVVRLL-328	1705	80%	76.2%
57 of 156	4/18/2017	17	318-SSMGNGVVRLLTKPWDV-334	1859	80%	73.5%
58 of 156	4/17/2017	17	324-VVRLLTKPWDVVPMTQ-340	1981	80%	79.1%
59 of 156	4/19/2017	17	330-KPWDVVPMTQMAMTDT-346	1950	80%	78.3%
60 of 156	4/21/2017	17	336-PMVTQMAMTDTTPFGQQ-352	1884	92.7%	58.2%
61 of 156	4/20/2017	17	342-AMTDTTPFGQQRVFKEK-358	1984	83.3%	81.5%
62 of 156	4/17/2017	17	348-PFGQQRVFKEKVDTRTQ-364	2064	80%	81.7%
63 of 156	4/14/2017	17	354-VFKEKVDTRTQEPKEGT-370	1992	80%	73.4%
64 of 156	4/22/2017	17	360-DTRTQEPKEGTKKLMKI-376	2003	94.6%	71.1%
65 of 156	4/24/2017	17	366-PKEGTKKLMKITAEWLW-382	2060	94.7%	88.1%
66 of 156	4/12/2017	17	372-KLMKITAEWLWKELGKK-388	2103	99.2%	93.8%
67 of 156	4/13/2017	16	378-AEWLWKELGKKTPRM-393	2001	80%	73.0%
68 of 156	4/12/2017	17	383-KELGKKTPRMCTREEF-399	2081	86.1%	53.3%

Table 1 (continued)						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
69 of 156	4/14/2017	16	389-KTPRMCTREEFTRKVR-404	2038	80%	74.3%
70 of 156	4/20/2017	17	394-CTREEFTRKVRNAALG-410	1938	80.6%	63.8%
71 of 156	4/22/2017	17	400-TRKVRNAALGAIFTDE-416	1849	80%	67.8%
72 of 156	4/11/2017	17	406-NAALGAIFTDENKWKSA-422	1836	92.9%	63.9%
73 of 156	4/21/2017	17	412-IFTDENKWKSAAREAVED-428	2038	80%	78.6%
74 of 156	4/24/2017	17	418-KWKSAREAVEDSRFWEL-434	2137	80%	53.2%
75 of 156	4/14/2017	17	423-REAVEDSRFWELVDKER-439	2163	87.8%	68.1%
76 of 156	4/21/2017	17	429-SRFWELVDKERNLHLEG-445	2127	97.5%	71.2%
77 of 156	4/21/2017	17	435-VDKERNLHLEGKCTCV-451	1973	80.8%	91.1%
78 of 156	4/19/2017	17	441-LHLEGKCTCVYNNMMGK-457	1956	80%	52.6%
79 of 156	4/12/2017	17	447-CETCVYNNMMGKREKKL-463	1990	98.7%	59.9%
80 of 156	4/12/2017	17	453-NMMGKREKKLGEFGKAK-469	1952	95.1%	63.2%
81 of 156	4/22/2017	17	458-REKKLGEFGKAKGSRAI-474	1875	98.8%	72.8%
82 of 156	4/14/2017	17	463-GEFGKAKGSRAIYMWL-479	2000	97.7%	56.0%
83 of 156	4/19/2017	17	469-KGSRAIYMWLGARFLE-485	2084	80%	58.0%
84 of 156	4/25/2017	17	475-WYMWLGARFLEFEALGF-491	2137	80%	81.9%
85 of 156	4/21/2017	17	481-ARFLEFEALGFLNEDHW-497	2094	80%	85.0%
86 of 156	4/22/2017	17	486-FEALGFLNEDHWFSREN-502	2111	80%	87%
87 of 156	4/22/2017	17	492-LNEDHWFSRENSLSGVE-508	2019	92.1%	50.1%
88 of 156	4/20/2017	17	498-FSRENSLSGVEGELHK-514	1846	80%	66.8%
89 of 156	4/13/2017	17	504-LSGVEGELHKLGYILR-520	1841	80%	65.7%
90 of 156	4/22/2017	17	509-GEGLHKLGYILRDVSKK-525	1913	80%	64.5%
91 of 156	4/13/2017	17	515-LGYILRDVSKKEGGAMY-531	1900	97.9%	68.0%
92 of 156	4/14/2017	17	521-DVSKKEGGAMYADDTAG-537	1715	80%	65.7%
93 of 156	4/19/2017	17	527-GGAMYADDTAGWDTRIT-543	1801	80%	78.9%
94 of 156	4/21/2017	17	533-DDTAGWDTRITLEDLKN-549	1963	80%	81.3%
95 of 156	4/13/2017	17	539-DTRITLEDLKNEMVTN-555	2021	80%	56.3%
96 of 156	4/20/2017	17	544-LEDLKNEMVTNHMEGE-560	2018	97.9%	73.5%
97 of 156	4/21/2017	17	549-NEEMVTNHMEGEHKKLA-565	1997	92.1%	70.7%
98 of 156	4/12/2017	17	555-NHMEGEHKKLAEAIFKL-571	1995	80.6%	63.6%
99 of 156	4/20/2017	17	561-HKKLAEAIFKLTQNKV-577	2031	80%	59.6%
100 of 156	4/19/2017	16	567-AIFKLTQNKVVRVQR-582	1963	88.6%	76.1%
101 of 156	4/13/2017	17	572-TYQNKVVRVQRPTPRGT-588	2000	80%	68.4%
102 of 156	4/12/2017	16	578-VRVQRPTPRGTVMDDII-593	1838	99.4%	70.9%
103 of 156	4/22/2017	17	583-PTPRGTVMDDIISRRDQR-599	1998	85.5%	78.3%
104 of 156	4/20/2017	17	589-VMDIISRRDQRGSGQVG-605	1874	85.7%	68.2%
105 of 156	4/19/2017	17	595-RRDQRGSGQVGTYGLNT-611	1865	80%	59.1%
106 of 156	4/22/2017	17	601-SGQVGTYGLNTFTNMEA-617	1790	80.6%	76.9%
107 of 156	4/26/2017	17	607-YGLNTFTNMEAQLIRQM-623	2030	92.5%	59.7%
108 of 156	4/17/2017	17	613-TNMEAQLIRQMEGEGVF-629	1953	90.6%	79.3%
109 of 156	4/13/2017	17	619-LIRQMEGEGVFKSIQHL-635	1985	80%	77.2%
110 of 156	4/14/2017	17	625-GEGVFKSIQHLLVTEEI-641	1887	94.7%	91.3%
111 of 156	4/22/2017	17	631-SIQHLVTEEIAVQNWL-647	1981	80% ^c	69.7%

Table 1 (continued)						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
112 of 156	4/13/2017	17	637-VTEEIAVQNWLARVGRE-653	1970	92.3%	59.1%
113 of 156	4/13/2017	17	643-VQNWLARVGRERLSRMA-659	2042	80%	63.1%
114 of 156	4/11/2017	16	649-RVGRERLSRMAISGDD-664	1818	80%	69.7%
115 of 156	4/24/2017	17	654-RLSRMAISGDDCVVKPL-670	1860	80%	78.7%
116 of 156	4/14/2017	16	660-ISGDDCVVKPLDDRFA-675	1750	91.7%	87.6%
117 of 156	4/20/2017	17	665-CVVKPLDDRFBASALTAL-681	1819	80%	76.8%
118 of 156	4/18/2017	17	671-DDRFASALTALNDMGKV-687	1824	80.5%	73.7%
119 of 156	4/13/2017	17	677-ALTALNDMGKVRKDIQQ-693	1901	80%	75.5%
120 of 156	4/24/2017	17	683-DMGKVRKDIQQWEPSRG-699	2030	99%	66.6%
121 of 156	4/18/2017	17	689-KDIQQWEPSRGWNDWTQ-705	2174	80%	71.8%
122 of 156	4/21/2017	15	694-WEPSRGWNDWTQVPF-708	1905	94.8%	87.6%
123 of 156	4/11/2017	17	698-RGWNDWTQVPFCSHHFH-714	2154	95.7%	74.6%
124 of 156	4/14/2017	17	704-TQVPFCSHHFELIMKD-720	2069	94.9%	64.8%
125 of 156	4/14/2017	17	710-SHHFELIMKDGRVLV-726	2017	80%	72.9%
126 of 156	4/19/2017	17	716-LIMKDGRVLVPCRNQD-732	1956	80%	74.0%
127 of 156	4/22/2017	17	722-RVLVPCRNQDELIGRA-738	1938	98.8%	58.5%
128 of 156	4/22/2017	17	728-CRNQDELIGRARISQGA-744	1887	80%	93%
129 of 156	4/13/2017	17	734-LIGRARISQGAGWSLRE-750	1870	80%	67.5%
130 of 156	4/14/2017	17	740-ISQGAGWSLRETACLGK-756	1777	98.4%	55.6%
131 of 156	4/14/2017	17	746-WSLRETACLGKSYAQM-762	2030	80%	78.2%
132 of 156	4/26/2017	17	752-ACLGKSYAQMWSLMYFH-768	2036	83%	57.3%
133 of 156	4/19/2017	17	758-YAQMWSLMYFHRRDLRL-774	2287	80%	74.8%
134 of 156	4/21/2017	16	764-LMYFHRRDLRLAANAI-779	1960	80%	77.1%
135 of 156	4/21/2017	15	769-RRDLRLAANAICSAV-783	1629	87.2%	70.5%
136 of 156	4/17/2017	16	773-RLAANAICSAVPSHWV-788	1695	92.6%	55.5%
137 of 156	4/14/2017	17	778-AICSAVPSHWVPTSRTT-794	1813	95.4%	78.1%
138 of 156	4/14/2017	17	784-PSHWVPTSRTTWSIHAK-800	1991	80%	66.8%
139 of 156	4/13/2017	17	790-TSRTTWSIHAKHEWMTT-806	2073	94.6%	76.0%
140 of 156	4/22/2017	17	796-SIHAKHEWMTTEDMLTV-812	2029	96.8%	53.9%
141 of 156	4/21/2017	17	801-HEWMTTEDMLTVWNRVW-817	2235	80%	50%
142 of 156	4/26/2017	16	806-TEDMLTVWNRVWIQEN-821	2034	80%	89.4%
143 of 156	4/14/2017	17	811-TVWNRVWIQENPW MEDK-827	2232	90.6%	58.3%
144 of 156	4/17/2017	17	817-WIQENPW MEDKTPVESW-833	2175	94.1%	72.0%
145 of 156	4/11/2017	17	823-WMEDKTPVESWEEIPYL-839	2152	92.5%	69.6%
146 of 156	4/19/2017	17	829-PVESWEEIPYLGKREDQ-845	2075	80.2%	82.6%
147 of 156	4/24/2017	16	833-WEEIPYLGKREDQWCG-848	2009	96.8%	71.7%
148 of 156	4/21/2017	17	838-YLGKREDQWCGSLIGLT-854	1939	80%	73.6%
149 of 156	4/22/2017	17	844-DQWCGSLIGLTSRATWA-860	1865	88.9%	87.1%
150 of 156	4/12/2017	17	850-LIGLTSRATWAKNIQTA-866	1844	89.5%	60.1%
151 of 156	4/13/2017	16	856-RATWAKNIQTAINQVR-871	1870	96%	70.5%
152 of 156	4/13/2017	17	861-KNIQTAINQVRS LIGNE-877	1898	93.1%	80.8%
153 of 156	4/22/2017	17	867-INQVRS LIGNEEYTDYM-883	2045	96.8%	78.1%
154 of 156	4/13/2017	17	873-LIGNEEYTDYMP SMKRF-889	2094	98.9%	56.2%

Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
155 of 156	4/26/2017	17	879-YTDYMPSMKRFRKEEEEE-895	2240	80%	70.8%
156 of 156	4/13/2017	16	885-SMKRFRKEEEEEAGVLW-900	1995	94.8%	52.3%

^a% full-length
^bRemainder is salt and water
^cHPLC analysis was inconclusive due to the hydrophobic nature of the sequence. Purity is based on mass spectral 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 156	Expected		1.00	1.00		2.00	4.00		1.00	2.00	2.00				1.00	2.00	1.00		
	Actual		1.10	0.98		2.05	4.08		1.00	2.08	2.06				0.98	1.92	0.00 ^a		
2 of 156	Expected	1.00	1.00	1.00		2.00	3.00			3.00	3.00				1.00	1.00	1.00		
	Actual	1.00	1.10	1.05		2.04	3.07			3.00	2.95				1.03	0.95	0.00 ^a		
3 of 156	Expected	1.00	1.00	1.00		2.00	1.00		1.00	2.00	3.00		1.00		2.00		1.00	1.00	
	Actual	1.00	1.10	0.98		2.09	1.04		0.98	2.04	2.93		1.06		1.91		0.00 ^a	0.98	
4 of 156	Expected	1.00		1.00		3.00	2.00		2.00	1.00	3.00		1.00		2.00			1.00	
	Actual	1.10		1.02		2.95	2.04		1.84	1.04	3.13		1.06		2.00			0.86	
5 of 156	Expected		1.00	1.00		4.00	1.00		2.00		2.00		1.00		2.00	1.00		1.00	1.00
	Actual		1.13	1.04		4.04	1.06		1.97		2.05		1.03		1.93	0.94		0.95	1.01
6 of 156	Expected	1.00	1.00	1.00		3.00	2.00		2.00	1.00	3.00				1.00	1.00			1.00
	Actual	1.04	1.11	1.03		3.03	2.05		1.97	1.04	2.97				0.95	0.96			1.00
7 of 156	Expected	1.00	2.00	1.00		4.00	2.00		2.00	1.00	2.00					1.00			1.00
	Actual	1.04	2.24	1.03		3.88	2.02		1.81	1.03	1.89					1.01			1.03
8 of 156	Expected	2.00	1.00	1.00		2.00	2.00	2.00	1.00	1.00	2.00					2.00			1.00
	Actual	1.96	1.13	1.08		2.06	2.07	2.15	0.95	0.90	1.98					1.84			1.01
9 of 156	Expected	2.00	2.00	1.00		1.00	2.00	2.00	1.00		2.00				2.00	1.00			1.00
	Actual	1.98	2.27	1.04		1.00	2.06	2.02	0.83		1.87				1.99	1.02			1.00
10 of 156	Expected	2.00	2.00	1.00		1.00	1.00	2.00		1.00	1.00		1.00		2.00		1.00		2.00
	Actual	1.97	2.20	1.00		0.94	1.02	2.07		1.02	1.02		1.02		1.86		0.00 ^a		2.16
11 of 156	Expected	1.00	3.00	1.00		1.00	1.00			1.00	1.00	1.00	1.00		1.00	1.00	1.00		2.00
	Actual	1.01	3.20	1.00		0.98	0.99			0.99	1.00	0.00 ^a	1.00		0.70 ^b	0.78 ^b	0.00 ^a		2.13
12 of 156	Expected		2.00	1.00		2.00	1.00			1.00	1.00	1.00	1.00	1.00		1.00	1.00		4.00
	Actual		2.10	1.01		1.97	1.00			0.99	1.00	0.00 ^a	1.03	1.01		0.81 ^b	0.00 ^a		4.11
13 of 156	Expected		2.00	2.00	1.00	1.00	3.00			1.00	1.00	1.00		1.00		1.00			3.00
	Actual		2.17	2.01	0.00 ^a	0.97	3.04			1.04	1.04	0.00 ^a		0.98		0.73 ^b			2.91
14 of 156	Expected		1.00	1.00	1.00	1.00	5.00			1.00	1.00			1.00	1.00		1.00	1.00	2.00
	Actual		1.10	1.00	0.00 ^a	0.98	5.05			1.02	1.01			1.00	0.67 ^b		0.00 ^a	0.99	1.97
15 of 156	Expected		1.00	1.00	2.00		6.00			2.00	1.00				1.00		1.00	2.00	
	Actual		1.12	1.00	0.00 ^a		6.04			2.03	1.04				0.95		0.00 ^a	2.03	
16 of 156	Expected		1.00	1.00	1.00	1.00	4.00			1.00	2.00				1.00		1.00	2.00	2.00
	Actual		1.05	1.00	0.00 ^a	0.97	4.10			1.04	1.99				0.97		0.00 ^a	2.06	2.12
17 of 156	Expected		1.00	1.00	1.00	1.00	5.00			2.00	3.00					1.00			2.00
	Actual		1.08	0.97	0.00 ^a	1.01	4.92			2.11	3.15					0.95			2.02

18 of 156	Expected		1.00			3.00	4.00	1.00		1.00	2.00			1.00		1.00			2.00
	Actual		1.07			2.81	4.16	1.00		1.03	2.07			1.03		0.98			1.95
19 of 156	Expected					2.00	4.00	1.00	1.00	1.00	1.00	1.00		3.00	1.00	2.00			
	Actual					2.07	4.08	1.04	1.01	1.02	1.03	0.00 ^a		3.09	0.91	1.88			

Table 2 - Amino Acid Analysis (continued)

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
20 of 156	Expected			1.00		2.00	2.00	1.00	1.00	1.00		1.00		3.00	1.00	1.00	1.00	1.00	1.00
	Actual			1.03		2.01	2.03	1.01	0.98	1.01		0.00 ^a		3.02	0.90	0.95	0.00 ^a	0.99	1.14
21 of 156	Expected		1.00	1.00		1.00	2.00		1.00	2.00		1.00		1.00	2.00	1.00	1.00	1.00	2.00
	Actual		1.18	1.04		1.08	1.93		0.92	2.17		0.00 ^a		1.01	1.83	0.96	0.00 ^a	1.06	2.31
22 of 156	Expected		1.00	2.00		1.00	2.00			2.00			2.00		1.00	1.00	1.00		3.00
	Actual		1.06	1.98		1.00	1.97			2.05			2.16		0.98	0.98	0.00 ^a		3.12
23 of 156	Expected		1.00	2.00	1.00	2.00	1.00			1.00	1.00		2.00	2.00	1.00	1.00			2.00
	Actual		0.98	2.04	0.00 ^a	2.05	1.05			1.02	1.04		2.08	2.07	0.94	0.98			2.00
24 of 156	Expected			3.00	2.00	1.00			1.00	2.00	1.00		2.00	2.00		2.00			1.00
	Actual			3.05	0.00 ^a	0.99			0.93	2.08	1.02		2.02	2.02		1.59 ^b			0.98
25 of 156	Expected			3.00	2.00	2.00	1.00		1.00	2.00	1.00			2.00	2.00	1.00			
	Actual			3.01	0.00 ^a	1.96	1.02		0.99	2.04	1.02			1.92	1.21 ^b	0.80 ^b			
26 of 156	Expected	1.00		2.00	1.00	2.00	2.00		1.00	2.00				2.00	2.00	1.00			1.00
	Actual	0.93		2.05	0.00 ^a	2.01	1.99		1.03	2.08				2.01	1.38 ^b	0.77 ^b			0.96
27 of 156	Expected	1.00	2.00	1.00		2.00	2.00			1.00				2.00	2.00	2.00			2.00
	Actual	1.00	2.20	0.70		1.89	2.00			1.02				1.90	1.31 ^b	1.62 ^b			2.15
28 of 156	Expected	1.00	2.00	2.00		2.00	1.00			3.00				1.00		2.00			3.00
	Actual	1.03	2.29	1.88		1.90	1.06			3.16				0.97		1.51 ^b			2.86
29 of 156	Expected		2.00	5.00		1.00				4.00						2.00	1.00		2.00
	Actual		2.22	4.92		1.01				4.04						1.89	0.00 ^a		2.08
30 of 156	Expected			5.00	1.00	2.00			1.00	2.00	1.00		1.00			1.00	1.00		2.00
	Actual			4.59	0.00 ^a	1.92			1.00	2.13	0.94		1.12			0.98	0.00 ^a		2.03
31 of 156	Expected			4.00	1.00	1.00			1.00	2.00	1.00	1.00	1.00	1.00		1.00		1.00	1.00
	Actual			4.95	0.00 ^a	1.05			0.93	2.07	1.01	0.00 ^a	1.16	0.99		0.99		0.39	0.99
32 of 156	Expected			1.00	1.00	2.00			2.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00		1.00	2.00
	Actual			1.02	0.00 ^a	1.96			1.92	1.05	1.02	0.00 ^a	1.03	1.96	0.59 ^b	0.77 ^b		0.75	1.91
33 of 156	Expected	1.00		1.00		3.00			1.00	2.00	1.00	2.00		2.00	1.00			1.00	2.00
	Actual	1.00		1.06		2.96			0.95	2.03	1.03	0.00 ^a		1.99	0.73 ^b			0.82	1.92
34 of 156	Expected	2.00	1.00			3.00	2.00		1.00	1.00	2.00	1.00		1.00	1.00			1.00	1.00
	Actual	1.94	1.09			3.07	1.97		0.98	1.06	2.07	0.00 ^a		1.03	0.63 ^b			0.93	1.00
35 of 156	Expected	2.00	2.00	1.00		2.00	2.00			3.00	1.00	1.00		1.00				1.00	1.00
	Actual	1.96	2.23	1.03		2.01	2.06			3.04	1.01	0.00 ^a		1.03				0.90	0.99
36 of 156	Expected	1.00	2.00	2.00			2.00	1.00		2.00	1.00			1.00	2.00	1.00		1.00	1.00

	Actual	1.01	2.23	2.08			2.05	1.05		2.05	1.01			1.03	1.82	0.96		0.98	0.98	
37 of 156	Expected		2.00	2.00		1.00		1.00		2.00		1.00		1.00	2.00	1.00	1.00	1.00	1.00	1.00
	Actual		2.13	2.00		1.00		1.03		1.98		0.00 ^a		0.98	1.74	0.95	0.00 ^a	0.97	1.11	
38 of 156	Expected	1.00	1.00	3.00		1.00	1.00	1.00		1.00		1.00			4.00	1.00	1.00	1.00		
	Actual	0.99	1.16	2.99		1.04	0.94	1.06		1.00		0.00 ^a			3.76	1.00	0.00 ^a	1.03		
39 of 156	Expected	1.00		2.00		1.00	1.00	1.00	1.00	1.00		1.00			4.00		1.00	1.00	2.00	
	Actual	1.06		2.05		0.98	1.01	1.05	0.92	1.01		0.00 ^a			2.65 ^b		0.00 ^a	0.91	2.05	
40 of 156	Expected	1.00	1.00	3.00			1.00		2.00			2.00			5.00				2.00	
	Actual	1.07	1.17	3.16			1.06		1.83			0.00 ^a			4.82 ^b				1.85	
41 of 156	Expected		2.00	2.00					3.00	1.00		2.00	1.00		3.00	1.00			2.00	
	Actual		2.25	2.10					2.97	1.07		0.00 ^a	1.08		1.98 ^b	0.83 ^b			1.92	
42 of 156	Expected	1.00	3.00	1.00				1.00	2.00	1.00	2.00	3.00	1.00		1.00	1.00				
	Actual	0.91	3.34	1.07				1.04	1.94	1.05	1.89	0.00 ^a	1.04		1.04	0.97				

Table 2 - Amino Acid Analysis (continued)

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
43 of 156	Expected	1.00	2.00	2.00		1.00		1.00	1.00		2.00	1.00	1.00	1.00		2.00		1.00	1.00
	Actual	1.03	2.18	2.08		1.03		1.04	0.96		2.05	0.00 ^a	1.01	1.01		1.93		0.91	0.99
44 of 156	Expected	1.00	1.00	2.00		1.00	2.00	1.00		1.00	2.00			1.00	1.00	2.00		1.00	1.00
	Actual	1.03	1.06	2.05		1.01	2.04	1.02		1.04	2.08			1.02	0.97	1.91		0.95	1.01
45 of 156	Expected		1.00	3.00		2.00	3.00		2.00	1.00				1.00	1.00	1.00		1.00	1.00
	Actual		1.16	3.09		2.03	2.93		2.03	1.04				0.96	0.94	0.98		1.03	1.01
46 of 156	Expected		1.00	2.00		2.00	3.00		3.00	2.00				1.00	2.00	1.00			
	Actual		1.15	2.02		2.05	3.10		3.02	1.91				1.06	1.87	0.98			
47 of 156	Expected		1.00	3.00		2.00	2.00		5.00	1.00	1.00			1.00	1.00				
	Actual		1.09	3.07		2.02	2.02		4.75	0.97	1.02			1.03	0.67 ^b				
48 of 156	Expected		1.00	2.00		2.00	1.00		5.00	1.00	3.00			1.00	1.00				
	Actual		1.11	1.96		1.97	1.04		4.83	0.98	3.11			1.00	0.64 ^b				
49 of 156	Expected		1.00	1.00		4.00	1.00	1.00	4.00		3.00					1.00			
	Actual		1.09	1.00		3.99	1.01	1.01	3.86		3.09					0.75 ^b			
50 of 156	Expected		1.00	1.00		5.00		2.00	2.00		2.00				1.00	1.00	1.00	1.00	
	Actual		1.12	1.02		5.14		2.08	1.98		2.05				0.95	0.98	0.00 ^a	0.99	
51 of 156	Expected			2.00		4.00		3.00			2.00			1.00	1.00	1.00	1.00	2.00	
	Actual			2.04		4.01		3.30			2.03			0.99	0.96	0.95	0.00 ^a	2.01	
52 of 156	Expected	1.00		2.00		1.00	1.00	3.00			1.00			1.00	1.00	1.00	2.00	3.00	
	Actual	0.99		2.05		1.03	1.08	3.08			1.05			1.04	0.96 ^b	0.98 ^b	0.00 ^a	2.63	
53 of 156	Expected	1.00		1.00		2.00	1.00	2.00			2.00			1.00	1.00	2.00	1.00	3.00	
	Actual	1.06		0.70		2.08	1.07	1.77			2.19			0.87	0.97	2.01	0.00 ^a	3.12	
54 of 156	Expected	2.00				2.00	2.00	1.00			1.00				2.00	2.00	1.00	2.00	
	Actual	1.98				2.03	2.04	1.07			1.01				1.89	1.92	0.00 ^a	2.05	

55 of 156	Expected	1.00		1.00		2.00	4.00				1.00	1.00			4.00	2.00		1.00	
	Actual	1.01		1.02		2.07	4.08				1.04	0.00 ^a			3.90	1.96		0.96	
56 of 156	Expected	1.00	1.00	1.00		1.00	3.00			2.00	1.00	1.00			3.00	1.00			2.00
	Actual	0.99	1.13	1.05		0.86	3.08			2.10	1.04	0.00 ^a			2.03 ^b	0.85 ^b			1.91
57 of 156	Expected		1.00	2.00			2.00			2.00	1.00	1.00		1.00	2.00	1.00	1.00		3.00
	Actual		1.09	2.04			1.99			2.02	1.02	0.00 ^a		1.01	1.24 ^b	0.80 ^b	0.00 ^a		2.88
58 of 156	Expected		1.00	1.00		1.00				2.00	1.00	1.00		2.00		2.00	1.00		5.00
	Actual		1.12	1.04		0.93				2.04	1.03	0.00 ^a		2.02		1.55 ^b	0.00 ^a		4.76
59 of 156	Expected	1.00		2.00		1.00					1.00	3.00		2.00		3.00	1.00		3.00
	Actual	1.01		2.04		1.00					0.98	0.00 ^a		1.96		2.40 ^b	0.00 ^a		3.01
60 of 156	Expected	1.00		1.00		3.00	1.00					3.00	1.00	2.00		4.00			1.00
	Actual	1.02		1.02		2.98	0.98					0.00 ^a	1.02	1.97		2.93 ^b			0.97
61 of 156	Expected	1.00	1.00	1.00		3.00	1.00				2.00	1.00	2.00	1.00		3.00			1.00
	Actual	0.98	1.09	0.98		2.86	1.02				2.05	0.00 ^a	2.09	1.03		2.36 ^b			0.98
62 of 156	Expected		2.00	1.00		4.00	1.00				2.00		2.00	1.00		2.00			2.00
	Actual		2.18	1.04		4.00	1.01				2.16		2.03	1.00		1.75			1.98
63 of 156	Expected		1.00	1.00		4.00	1.00				3.00		1.00	1.00		3.00			2.00
	Actual		1.14	1.05		4.14	0.96				3.06		1.00	1.01		2.84			1.89
64 of 156	Expected		1.00	1.00		3.00	1.00		1.00	1.00	4.00	1.00		1.00		3.00			
	Actual		1.09	1.02		3.01	1.02		0.98	1.02	4.06	0.00 ^a		1.00		2.87			
65 of 156	Expected	1.00				2.00	1.00		1.00	2.00	4.00	1.00		1.00		2.00	2.00		
	Actual	1.00				1.96	1.04		0.98	2.00	4.00	0.00 ^a		0.99		1.52 ^b	0.00 ^a		

Table 2 - Amino Acid Analysis (continued)

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
66 of 156	Expected	1.00				2.00	1.00		1.00	3.00	5.00	1.00				1.00	2.00		
	Actual	1.02				1.81	1.03		1.01	3.06	5.12	0.00 ^a				0.77 ^b	0.00 ^a		
67 of 156	Expected	1.00	1.00			2.00	1.00			2.00	4.00	1.00		1.00		1.00	2.00		
	Actual	0.99	1.07			1.99	1.05			2.10	4.10	0.00 ^a		0.97		0.94	0.00 ^a		
68 of 156	Expected		2.00		1.00	3.00	1.00			1.00	4.00	1.00	1.00	1.00		2.00			
	Actual		2.14		0.00 ^a	2.96	1.04			1.06	4.11	0.00 ^a	0.95	1.01		1.89			
69 of 156	Expected		4.00		1.00	2.00					2.00	1.00	1.00	1.00		3.00			1.00
	Actual		4.42		0.00 ^a	2.03					2.03	0.00 ^a	1.03	1.01		2.87			0.96
70 of 156	Expected	2.00	3.00	1.00	1.00	2.00	1.00			1.00	1.00		1.00		1.00	2.00			1.00
	Actual	1.98	3.27	1.05	0.00 ^a	1.99	1.05			1.04	1.00		1.03		0.97	1.88			0.98
71 of 156	Expected	3.00	2.00	2.00		1.00	1.00		1.00	1.00	1.00		1.00		1.00	2.00			1.00
	Actual	2.95	2.23	2.12		1.01	1.22		0.90	1.05	1.04		0.87		1.37	1.98			0.94
72 of 156	Expected	4.00		3.00		1.00	1.00		1.00	1.00	2.00		1.00		1.00	1.00	1.00		
	Actual	3.81		2.91		1.03	1.07		1.00	1.04	2.03		1.02		0.98	0.97	0.00 ^a		
73 of 156	Expected	2.00	1.00	3.00		3.00			1.00		2.00		1.00		1.00	1.00	1.00		1.00

	Actual	2.08	1.17	2.92		3.01			0.96		2.13		1.03		0.99	0.92	0.00 ^a		1.20
74 of 156	Expected	2.00	2.00	1.00		3.00				1.00	2.00		1.00		2.00		2.00		1.00
	Actual	1.98	2.17	1.01		3.02				1.02	1.92		1.03		1.27		0.00 ^a		1.52
75 of 156	Expected	1.00	3.00	2.00		4.00				1.00	1.00		1.00		1.00		1.00		2.00
	Actual	0.91	3.34	2.09		4.04				1.06	1.04		1.00		0.97		0.00 ^a		2.00
76 of 156	Expected		2.00	2.00		3.00	1.00	1.00		3.00	1.00		1.00		1.00		1.00		1.00
	Actual		2.20	2.02		3.00	1.04	1.03		3.02	1.01		1.02		0.93		0.00 ^a		1.24
77 of 156	Expected		1.00	2.00	2.00	3.00	1.00	1.00		2.00	2.00				1.00				2.00
	Actual		1.08	1.97	0.00 ^a	3.05	1.04	1.01		1.97	2.07				0.65				1.91
78 of 156	Expected			1.00	2.00	2.00	2.00	1.00		2.00	2.00	2.00			1.00			1.00	1.00
	Actual			1.03	0.00 ^a	2.03	1.92	1.13		2.06	2.00	0.00 ^a			0.79			0.80	0.96
79 of 156	Expected		1.00	1.00	2.00	2.00	2.00			1.00	3.00	2.00			1.00			1.00	1.00
	Actual		1.11	1.04	0.00 ^a	2.02	2.01			1.01	3.03	0.00 ^a			0.95			0.99	0.98
80 of 156	Expected	1.00	1.00	1.00		2.00	3.00			1.00	5.00	2.00	1.00						
	Actual	1.00	1.09	0.99		1.98	2.98			1.01	5.04	0.00 ^a	1.02						
81 of 156	Expected	2.00	2.00			2.00	3.00		1.00	1.00	4.00		1.00		1.00				
	Actual	1.98	2.23			2.00	3.05		1.00	1.02	4.11		1.00		0.99				
82 of 156	Expected	2.00	1.00			1.00	3.00		1.00	1.00	2.00	1.00	1.00		1.00		2.00	1.00	
	Actual	2.08	1.20			1.03	3.10		0.88	1.03	2.08	0.00 ^a	0.98		0.99		0.00 ^a	0.94	
83 of 156	Expected	2.00	2.00			1.00	2.00		1.00	2.00	1.00	1.00	1.00		1.00		2.00	1.00	
	Actual	2.07	2.29			0.93	2.14		0.93	2.05	1.06	0.00 ^a	1.07		1.01		0.00 ^a	0.88	
84 of 156	Expected	2.00	1.00			2.00	2.00			3.00		1.00	3.00				2.00	1.00	
	Actual	1.91	1.13			2.03	1.70			3.09		0.00 ^a	3.19				0.00 ^a	0.92	
85 of 156	Expected	2.00	1.00	2.00		3.00	1.00	1.00		3.00			3.00				1.00		
	Actual	1.87	1.09	2.13		3.00	1.00	0.98		3.09			2.99				0.00 ^a		
86 of 156	Expected	1.00	1.00	3.00		3.00	1.00	1.00		2.00			3.00		1.00		1.00		
	Actual	1.03	1.06	3.04		3.02	1.04	0.96		2.14			3.13		0.92		0.00 ^a		
87 of 156	Expected		1.00	3.00		3.00	1.00	1.00		2.00			1.00		3.00		1.00		1.00
	Actual		1.15	3.05		2.86	1.01	1.02		2.04			1.03		3.00		0.00 ^a		0.95
88 of 156	Expected		1.00	1.00		3.00	3.00	1.00		2.00	1.00		1.00		3.00				1.00
	Actual		1.04	1.08		3.00	3.18	1.01		2.05	0.99		0.89		3.00				1.04

Table 2 - Amino Acid Analysis (continued)

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
89 of 156	Expected		1.00			2.00	4.00	1.00	1.00	4.00	1.00				1.00			1.00	1.00
	Actual		1.12			2.01	4.06	1.06	1.00	4.07	1.04				0.91			1.01	0.97
90 of 156	Expected		1.00	1.00		1.00	3.00	1.00	1.00	3.00	3.00				1.00			1.00	1.00
	Actual		1.13	1.02		0.98	2.98	0.99	1.01	3.12	3.16				0.90			1.02	1.01
91 of 156	Expected	1.00	1.00	1.00		1.00	3.00		1.00	2.00	2.00	1.00			1.00			2.00	1.00
	Actual	1.02	1.07	1.03		1.03	3.06		0.99	2.06	2.06	0.00 ^a			0.95			1.93	1.01

92 of 156	Expected	3.00		3.00		1.00	3.00				2.00	1.00			1.00	1.00		1.00	1.00
	Actual	3.01		3.07		1.03	3.18				2.02	0.00 ^a			0.95	0.98		1.03	0.97
93 of 156	Expected	3.00	1.00	3.00			3.00		1.00			1.00				3.00	1.00	1.00	
	Actual	2.99	1.14	3.02			3.10		1.05			0.00 ^a				2.22 ^b	0.00 ^a	0.87	
94 of 156	Expected	1.00	1.00	5.00		1.00	1.00		1.00	2.00	1.00					3.00	1.00		
	Actual	0.99	1.14	4.89		1.05	0.97		1.06	2.01	0.92					2.35 ^b	0.00 ^a		
95 of 156	Expected		1.00	4.00		3.00			1.00	2.00	1.00	1.00				3.00			1.00
	Actual		1.06	4.03		3.02			1.00	2.10	1.05	0.00 ^a				2.31 ^b			0.93
96 of 156	Expected			3.00		5.00	1.00	1.00		2.00	1.00	2.00				1.00			1.00
	Actual			3.03		4.86	0.96	1.00		2.09	1.02	0.00 ^a				0.77 ^b			0.99
97 of 156	Expected	1.00		2.00		4.00	1.00	2.00		1.00	2.00	2.00				1.00			1.00
	Actual	0.96		2.07		4.00	1.01	1.97		1.00	1.95	0.00 ^a				0.78 ^b			1.03
98 of 156	Expected	2.00		1.00		3.00	1.00	2.00	1.00	2.00	3.00	1.00	1.00						
	Actual	2.06		0.65		2.95	1.03	1.75	0.99	2.05	3.10	0.00 ^a	1.04						
99 of 156	Expected	2.00		1.00		2.00		1.00	1.00	2.00	4.00		1.00			1.00		1.00	1.00
	Actual	2.05		1.07		2.08		0.92	0.90	2.09	4.18		0.95			1.01		0.98	1.02
100 of 156	Expected	1.00	2.00	1.00		2.00			1.00	1.00	2.00		1.00			1.00		1.00	3.00
	Actual	1.04	2.15	1.00		1.94			1.02	1.05	2.05		1.03			0.80 ^b		0.91	2.93
101 of 156	Expected		3.00	1.00		2.00	1.00				1.00			2.00		3.00		1.00	3.00
	Actual		3.42	1.03		2.06	1.07				1.05			2.07		2.63 ^b		0.89	2.97
102 of 156	Expected		3.00	1.00		1.00	1.00		2.00			1.00		2.00		2.00			3.00
	Actual		3.22	1.03		0.99	1.05		1.86			0.00 ^a		2.04		1.59 ^b			3.01
103 of 156	Expected		4.00	2.00		1.00	1.00		2.00			1.00		2.00	1.00	2.00			1.00
	Actual		4.39	2.07		1.03	1.05		1.84			0.00 ^a		1.88	0.62 ^b	1.53 ^b			1.03
104 of 156	Expected		3.00	2.00		2.00	3.00		2.00			1.00			2.00				2.00
	Actual		3.34	2.07		1.98	3.05		1.85			0.00 ^a			1.23 ^b				2.03
105 of 156	Expected		3.00	2.00		2.00	4.00			1.00					1.00	2.00		1.00	1.00
	Actual		3.31	2.02		2.03	4.09			1.04					0.97	1.96		1.01	1.00
106 of 156	Expected	1.00		2.00		2.00	3.00			1.00		1.00	1.00		1.00	3.00		1.00	1.00
	Actual	0.91		2.13		1.95	3.12			1.06		0.00 ^a	1.05		0.94	2.98		0.99	1.02
107 of 156	Expected	1.00	1.00	2.00		3.00	1.00		1.00	2.00		2.00	1.00			2.00		1.00	
	Actual	1.01	1.05	2.04		3.02	1.01		0.96	2.04		0.00 ^a	1.05			1.93		0.82	
108 of 156	Expected	1.00	1.00	1.00		5.00	2.00		1.00	1.00		2.00	1.00			1.00			1.00
	Actual	1.03	1.09	0.99		5.03	2.02		0.98	1.04		0.00 ^a	1.02			0.95			0.98
109 of 156	Expected		1.00			4.00	2.00	1.00	2.00	2.00	1.00	1.00	1.00		1.00				1.00
	Actual		1.04			4.11	2.10	1.06	1.88	1.99	1.05	0.00 ^a	0.99		0.99				0.99
110 of 156	Expected					4.00	2.00	1.00	2.00	1.00	1.00		1.00		1.00	2.00			2.00
	Actual					3.97	1.99	1.02	1.98	1.01	1.00		1.00		0.70 ^b	1.62 ^b			1.97
111 of 156	Expected	1.00		1.00		4.00		1.00	2.00	2.00					1.00	2.00	1.00		2.00
	Actual	1.05		1.01		3.80		0.69	1.92	2.04					0.54 ^b	1.40 ^b	0.00 ^a		2.31

Table 2 - Amino Acid Analysis (continued)

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
112 of 156	Expected	2.00	2.00	1.00		4.00	1.00		1.00	1.00						1.00	1.00		3.00
	Actual	2.03	2.11	0.77		3.70	1.01		1.01	1.03						0.64 ^b	0.00 ^a		3.12
113 of 156	Expected	2.00	4.00	1.00		2.00	1.00			2.00		1.00			1.00		1.00		2.00
	Actual	1.96	4.39	1.04		2.04	1.04			2.06		0.00 ^a			0.94		0.00 ^a		1.99
114 of 156	Expected	1.00	4.00	2.00		1.00	2.00		1.00	1.00		1.00			2.00				1.00
	Actual	1.03	4.44	1.96		1.01	2.05		1.01	1.04		0.00 ^a			1.90				0.99
115 of 156	Expected	1.00	2.00	2.00	1.00		1.00		1.00	2.00	1.00	1.00		1.00	2.00				2.00
	Actual	0.99	1.93	2.03	0.00 ^a		1.01		1.00	2.05	1.06	0.00 ^a		1.04	1.34 ^b				1.98
116 of 156	Expected	1.00	1.00	4.00	1.00		1.00		1.00	1.00	1.00		1.00	1.00	1.00				2.00
	Actual	1.02	1.12	3.99	0.00 ^a		0.95		0.94	1.05	1.03		1.04	1.02	0.52 ^b				1.88
117 of 156	Expected	3.00	1.00	2.00	1.00					3.00	1.00		1.00	1.00	1.00	1.00			2.00
	Actual	2.95	1.16	2.03	0.00 ^a					3.09	0.98		1.03	1.01	0.62 ^b	0.79 ^b			1.81
118 of 156	Expected	3.00	1.00	4.00			1.00			2.00	1.00	1.00	1.00		1.00	1.00			1.00
	Actual	2.95	1.10	4.20			1.04			2.05	1.02	0.00 ^a	1.03		0.94	0.97			0.99
119 of 156	Expected	2.00	1.00	3.00		2.00	1.00		1.00	2.00	2.00	1.00				1.00			1.00
	Actual	1.97	1.09	3.08		1.92	1.04		0.99	2.07	2.03	0.00 ^a				0.97			0.99
120 of 156	Expected		2.00	2.00		3.00	2.00		1.00		2.00	1.00		1.00	1.00		1.00		1.00
	Actual		2.20	2.06		3.06	2.03		1.01		2.06	0.00 ^a		1.01	0.96		0.00 ^a		0.97
121 of 156	Expected		1.00	3.00		4.00	1.00		1.00		1.00			1.00	1.00	1.00	3.00		
	Actual		1.14	2.74		4.09	1.08		0.99		1.02			1.03	0.97	0.99	0.00 ^a		
122 of 156	Expected		1.00	2.00		2.00	1.00						1.00	2.00	1.00	1.00	3.00		1.00
	Actual		1.10	1.70		2.05	1.01						1.06	2.04	0.93	0.99	0.00 ^a		1.30
123 of 156	Expected		1.00	2.00	1.00	1.00	1.00	3.00					2.00	1.00	1.00	1.00	2.00		1.00
	Actual		0.99	1.98	0.00 ^a	1.04	0.93	3.20					2.15	1.07	1.00	0.98	0.00 ^a		1.25
124 of 156	Expected			1.00	1.00	2.00		3.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00			1.00
	Actual			1.01	0.00 ^a	1.99		3.01	0.96	1.02	0.99	0.00 ^a	2.01	1.02	1.11	0.96			0.99
125 of 156	Expected		1.00	1.00		1.00	1.00	3.00	1.00	2.00	1.00	1.00	1.00		1.00				3.00
	Actual		1.09	1.01		0.99	1.00	2.96	0.98	2.04	1.01	0.00 ^a	1.02		0.63 ^b				2.95
126 of 156	Expected		2.00	3.00	1.00	1.00	1.00		1.00	2.00	1.00	1.00		1.00					3.00
	Actual		2.19	3.06	0.00 ^a	0.99	1.02		0.99	2.05	0.98	0.00 ^a		1.00					2.90
127 of 156	Expected	1.00	3.00	2.00	1.00	2.00	1.00		1.00	2.00				1.00					3.00
	Actual	1.01	3.28	2.03	0.00 ^a	2.04	1.01		0.96	1.99				1.45					2.64
128 of 156	Expected	2.00	3.00	2.00	1.00	3.00	2.00		2.00	1.00					1.00				
	Actual	1.92	3.34	2.10	0.00 ^a	3.05	2.03		1.96	1.05					0.97				
129 of 156	Expected	2.00	3.00			2.00	3.00		2.00	2.00					2.00		1.00		
	Actual	2.03	3.35			2.07	3.13		1.96	2.00					1.92		0.00 ^a		
130 of 156	Expected	2.00	1.00		1.00	2.00	3.00		1.00	2.00	1.00				2.00	1.00	1.00		

	Actual	2.00	1.12		0.00 ^a	2.04	3.06		0.99	2.07	1.03			1.90	0.98	0.00 ^a		
131 of 156	Expected	2.00	1.00		1.00	2.00	1.00			2.00	1.00	1.00		2.00	1.00	2.00	1.00	
	Actual	2.01	1.09		0.00 ^a	2.04	1.05			2.05	1.04	0.00 ^a		1.87	0.97	0.00 ^a	1.01	
132 of 156	Expected	2.00			1.00	1.00	1.00	1.00		2.00	1.00	2.00	1.00	2.00		1.00	2.00	
	Actual	2.01			0.00 ^a	1.04	1.09	1.07		2.07	0.99	0.00 ^a	0.96	1.95		0.00 ^a	1.76	
133 of 156	Expected	1.00	3.00	1.00		1.00		1.00		3.00		2.00	1.00	1.00		1.00	2.00	
	Actual	1.01	3.27	1.05		1.03		1.04		2.97		0.00 ^a	1.03	0.93		0.00 ^a	1.95	
134 of 156	Expected	3.00	3.00	2.00				1.00	1.00	3.00		1.00	1.00				1.00	
	Actual	2.93	3.35	2.04				1.05	0.97	3.07		0.00 ^a	1.01				0.94	

Table 2 - Amino Acid Analysis (continued)

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
135 of 156	Expected	4.00	3.00	2.00	1.00				1.00	2.00					1.00				1.00
	Actual	3.97	3.30	2.06	0.00 ^a				1.00	2.08					0.98				1.01
136 of 156	Expected	4.00	1.00	1.00	1.00			1.00	1.00	1.00				1.00	2.00		1.00		2.00
	Actual	3.84	1.07	1.00	0.00 ^a			1.10	0.96	0.99				1.01	1.90		0.00 ^a		2.19
137 of 156	Expected	2.00	1.00		1.00			1.00	1.00					2.00	3.00	3.00	1.00		2.00
	Actual	1.97	1.11		0.00 ^a			1.01	0.99					2.03	1.73 ^b	2.23 ^b	0.00 ^a		1.98
138 of 156	Expected	1.00	1.00					2.00	1.00		1.00			2.00	3.00	3.00	2.00		1.00
	Actual	1.02	1.09					2.02	0.98		1.01			1.98	2.11 ^b	2.47 ^b	0.00 ^a		0.99
139 of 156	Expected	1.00	1.00			1.00		2.00	1.00		1.00	1.00			2.00	5.00	2.00		
	Actual	1.04	1.12			1.02		2.05	1.01		1.05	0.00 ^a			1.43 ^b	4.17 ^b	0.00 ^a		
140 of 156	Expected	1.00		1.00		2.00		2.00	1.00	1.00	1.00	2.00			1.00	3.00	1.00		1.00
	Actual	0.99		1.07		1.90		1.89	0.98	1.01	0.99	0.00 ^a			0.64 ^b	2.26 ^b	0.00 ^a		1.07
141 of 156	Expected		1.00	2.00		2.00		1.00		1.00		2.00				3.00	3.00		2.00
	Actual		1.12	2.13		1.76		0.95		1.07		0.00 ^a				2.25 ^b	0.00 ^a		2.03
142 of 156	Expected		1.00	3.00		3.00			1.00	1.00		1.00				2.00	2.00		2.00
	Actual		1.08	3.08		2.80			0.96	0.98		0.00 ^a				1.53 ^b	0.00 ^a		2.24
143 of 156	Expected		1.00	3.00		3.00			1.00		1.00	1.00		1.00		1.00	3.00		2.00
	Actual		1.10	3.05		3.08			1.02		1.08	0.00 ^a		1.03		0.87 ^b	0.00 ^a		1.92
144 of 156	Expected			2.00		4.00			1.00		1.00	1.00		2.00	1.00	1.00	3.00		1.00
	Actual			2.12		4.09			0.96		1.03	0.00 ^a		2.08	0.95	0.98	0.00 ^a		1.25
145 of 156	Expected			1.00		4.00			1.00	1.00	1.00	1.00		2.00	1.00	1.00	2.00	1.00	1.00
	Actual			1.01		3.95			1.01	1.03	0.99	0.00 ^a		2.01	0.59	0.78	0.00 ^a	0.96	1.41
146 of 156	Expected		1.00	1.00		5.00	1.00		1.00	1.00	1.00			2.00	1.00		1.00	1.00	1.00
	Actual		1.15	0.97		4.93	0.94		0.99	1.03	1.04			1.94	0.90		0.00 ^a	1.04	1.32
147 of 156	Expected		1.00	1.00	1.00	4.00	2.00		1.00	1.00	1.00			1.00			2.00	1.00	
	Actual		1.10	1.00	0.00 ^a	3.99	1.99		0.98	1.01	1.02			1.01			0.00 ^a	1.00	
148 of 156	Expected		1.00	1.00	1.00	2.00	3.00		1.00	3.00	1.00				1.00	1.00	1.00	1.00	
	Actual		1.09	0.98	0.00 ^a	1.90	3.16		1.06	3.16	1.01				1.00	1.01	0.00 ^a	0.95	

149 of 156	Expected	2.00	1.00	1.00	1.00	1.00	2.00		1.00	2.00				2.00	2.00	2.00			
	Actual	2.18	1.12	1.02	0.00 ^a	0.80	2.24		0.96	2.06				1.90	1.73	0.00 ^a			
150 of 156	Expected	3.00	1.00	1.00		1.00	1.00		2.00	2.00	1.00			1.00	3.00	1.00			
	Actual	2.95	1.13	1.01		1.00	1.06		1.99	2.07	1.00			0.96	2.91	0.00 ^a			
151 of 156	Expected	3.00	2.00	2.00		2.00			2.00		1.00				2.00	1.00		1.00	
	Actual	2.94	2.20	2.04		2.03			1.99		1.02				1.91	0.00 ^a		1.01	
152 of 156	Expected	1.00	1.00	3.00		3.00	1.00		3.00	1.00	1.00			1.00	1.00			1.00	
	Actual	1.02	1.11	3.03		3.04	1.03		2.97	1.02	1.03			0.96	0.97			1.00	
153 of 156	Expected		1.00	3.00		3.00	1.00		2.00	1.00		1.00		1.00	1.00			2.00	1.00
	Actual		1.03	3.52		3.03	1.07		2.03	1.05		0.00 ^a		1.06	1.04			1.98	0.89
154 of 156	Expected		1.00	2.00		2.00	1.00		1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00		2.00	
	Actual		1.08	2.04		2.04	1.02		0.97	1.02	0.98	0.00 ^a	1.08	1.01	0.96	0.97		1.55	
155 of 156	Expected		2.00	1.00		4.00					2.00	2.00	1.00	1.00	1.00	1.00		2.00	
	Actual		2.23	1.05		3.98					2.07	0.00 ^a	1.06	1.05	0.97	0.99		1.76	
156 of 156	Expected	1.00	2.00			4.00	1.00			1.00	2.00	1.00	1.00		1.00			1.00	1.00
	Actual	1.02	2.13			3.99	1.07			0.98	1.98	0.00 ^a	0.99		0.93			0.00 ^a	1.11

^aCys, Met, and Trp are completely destroyed during hydrolysis.

^bThis peptide required extended hydrolysis, which degrades Ser and Thr.

Table 3

Peptide	Sequence	Solubility	Solvent
1 of 156	1-GTGNIGETLGEKWKSRSL-17	5 mg/mL	50% acetonitrile / 50% water
2 of 156	6-GETLGEKWKSRNLALGK-22	5 mg/mL	50% acetonitrile / 50% water
3 of 156	12-KWKSRLNALGKSEFQIY-28	5 mg/mL	50% acetonitrile / 50% water
4 of 156	18-NALGKSEFQIYKKGSIQ-34	5 mg/mL	50% acetonitrile / 50% water
5 of 156	23-SEFQIYKKGSIQEVDR-39	5 mg/mL	50% acetonitrile / 50% water
6 of 156	29-KKSGIQEVDRTLAKEGI-45	5 mg/mL	50% acetonitrile / 50% water
7 of 156	33-IQEVDRTLAKEGIKRGE-49	5 mg/mL	50% acetonitrile / 50% water
8 of 156	39-TLAKEGIKRGETDHHAV-55	5 mg/mL	50% acetonitrile / 50% water
9 of 156	45-IKRGETDHHAVSRGSAK-61	5 mg/mL	50% acetonitrile / 50% water
10 of 156	51-DHHAVSRGSAKLRFV-67	5 mg/mL	50% acetonitrile / 50% water
11 of 156	57-RGSAKLRFVVERNMVT-72	5 mg/mL	50% acetonitrile / 50% water
12 of 156	62-LRWFVERNMVTPEGKV-78	5 mg/mL	50% acetonitrile / 50% water
13 of 156	68-RNMVTPEGKVVDLGCGR-84	5 mg/mL	50% acetonitrile / 50% water
14 of 156	73-PEGKVVDLGCGRGGWSY-89	5 mg/mL	50% acetonitrile / 50% water
15 of 156	79-DLGCGRGGWSYCGGLK-95	5 mg/mL	50% acetonitrile / 50% water
16 of 156	85-GGWSYCGGLKNVREVK-101	5 mg/mL	50% acetonitrile / 50% water
17 of 156	91-CGGLKNVREVKGLTKGG-107	5 mg/mL	50% acetonitrile / 50% water
18 of 156	97-VREVKGLTKGGPGHEE-112	5 mg/mL	50% acetonitrile / 50% water
19 of 156	102-GLTKGGPGHEEPIPMST-118	5 mg/mL	50% acetonitrile / 50% water
20 of 156	108-PGHEEPIPMSTYGNLV-124	5 mg/mL	50% acetonitrile / 50% water
21 of 156	114-IPMSTYGNLVRLQSGV-130	5 mg/mL	50% acetonitrile / 50% water
22 of 156	120-GWNLVRLQSGVDVFFT-135	5 mg/mL	50% acetonitrile / 50% water
23 of 156	125-RLQSGVDVFFTPEKCD-141	5 mg/mL	50% acetonitrile / 50% water
24 of 156	131-DVFFTPEKCDTLLCDI-147	5 mg/mL	50% acetonitrile / 50% water

25 of 156	137-PEKCDTLLCDIGESSPN-153	5 mg/mL	50% acetonitrile / 50% water
26 of 156	143-LLCDIGESSPNPTVEAG-159	5 mg/mL	50% acetonitrile / 50% water
27 of 156	148-GESSPNPTVEAGRTRV-164	5 mg/mL	50% acetonitrile / 50% water
28 of 156	154-PTVEAGRTRVNLNLEN-170	5 mg/mL	50% acetonitrile / 50% water
29 of 156	160-RTRVNLNLENWLNNT-176	5 mg/mL	50% acetonitrile / 50% water
30 of 156	166-NLVNWLNNNTQFCIKV-182	5 mg/mL	Dimethylsulfoxide (DMSO)
31 of 156	172-LNNNTQFCIKVLNPYM-187	5 mg/mL	DMSO
32 of 156	176-TQFCIKVLNPYMPVIE-192	5 mg/mL	DMSO
33 of 156	182-VLNPYMPVIEKMEALQ-198	5 mg/mL	50% acetonitrile / 50% water
34 of 156	188-PSVIEKMEALQRKYGGA-204	5 mg/mL	50% acetonitrile / 50% water
35 of 156	194-MEALQRKYGGALVRNPL-210	5 mg/mL	50% acetonitrile / 50% water
36 of 156	200-KYGGALVRNPLSRNSTH-216	5 mg/mL	50% acetonitrile / 50% water
37 of 156	206-VRNPLSRNSTHEMYWL-221	5 mg/mL	50% acetonitrile / 50% water
38 of 156	211-SRNSTHEMYWLSNASGN-227	5 mg/mL	50% acetonitrile / 50% water
39 of 156	216-HEMYWLSNASGNIVSSV-232	5 mg/mL	50% acetonitrile / 50% water
40 of 156	222-SNASGNIVSSVNMISRM-238	5 mg/mL	50% acetonitrile / 50% water
41 of 156	228-IVSSVNMISRMILNRF-244	5 mg/mL	50% acetonitrile / 50% water
42 of 156	234-MISRMILNRFMRHKA-250	5 mg/mL	50% acetonitrile / 50% water
43 of 156	240-INRFMRHKKATYEPDV-256	5 mg/mL	50% acetonitrile / 50% water
44 of 156	246-RHKKATYEPDVLGSGT-262	5 mg/mL	50% acetonitrile / 50% water
45 of 156	252-YEPDVLGSGTRNIGIE-268	5 mg/mL	50% acetonitrile / 50% water
46 of 156	258-LGSGTRNIGIESEIPNL-274	5 mg/mL	50% acetonitrile / 50% water

Table 3 (continued)

Peptide	Sequence	Solubility	Solvent
47 of 156	264-NIGIESEIPNLDIIGKR-280	5 mg/mL	50% acetonitrile / 50% water
48 of 156	269-SEIPNLDIIGKRIEKIK-285	5 mg/mL	50% acetonitrile / 50% water
49 of 156	275-DIIGKRIEKIKQEHET-290	5 mg/mL	50% acetonitrile / 50% water
50 of 156	280-RIEKIKQEHETSWHYDQ-296	5 mg/mL	50% acetonitrile / 50% water
51 of 156	285-KQEHETSWHYDQDHPYK-301	5 mg/mL	50% acetonitrile / 50% water
52 of 156	291-SWHYDQDHPYKTWAYHG-307	5 mg/mL	50% acetonitrile / 50% water
53 of 156	297-DHPYKTWAYHGSEYETKQ-313	5 mg/mL	50% acetonitrile / 50% water
54 of 156	303-WAYHGSEYETKQTGSA-317	5 mg/mL	50% acetonitrile / 50% water
55 of 156	307-GSEYETKQTGSASSMGNG-323	5 mg/mL	50% acetonitrile / 50% water
56 of 156	312-KQTGSASSMGNGVVRLL-328	5 mg/mL	50% acetonitrile / 50% water
57 of 156	318-SSMGNGVVRLLTKPWDV-334	5 mg/mL	50% acetonitrile / 50% water
58 of 156	324-VVRLLTKPWDVPMVTQ-340	5 mg/mL	50% acetonitrile / 50% water
59 of 156	330-KPWDVPMVTQMAMTDT-346	5 mg/mL	DMSO
60 of 156	336-PMVTQMAMTDTTPFGQQ-352	5 mg/mL	50% acetonitrile / 50% water
61 of 156	342-AMTDTTPFGQQRVFKEK-358	5 mg/mL	50% acetonitrile / 50% water
62 of 156	348-PFGQQRVFKEKVDTRTQ-364	5 mg/mL	50% acetonitrile / 50% water
63 of 156	354-VFKEKVDTRTQEPKEGT-370	5 mg/mL	50% acetonitrile / 50% water
64 of 156	360-DTRTQEPKEGTKKLMKI-376	5 mg/mL	50% acetonitrile / 50% water
65 of 156	366-PKEGTKKLMKITAEWLW-382	5 mg/mL	50% acetonitrile / 50% water
66 of 156	372-KLMKITAEWLWKELGKK-388	5 mg/mL	50% acetonitrile / 50% water
67 of 156	378-AEWLWKELGKKKTPRM-393	5 mg/mL	50% acetonitrile / 50% water
68 of 156	383-KELGKKKTPRMCTREEF-399	5 mg/mL	50% acetonitrile / 50% water
69 of 156	389-KTPRMCTREEFTRKVR-404	5 mg/mL	50% acetonitrile / 50% water
70 of 156	394-CTREEFTRKVRNAALG-410	5 mg/mL	50% acetonitrile / 50% water

71 of 156	400-TRKVRNAALGAIFTDE-416	5 mg/mL	50% acetonitrile / 50% water
72 of 156	406-NAALGAIFTDENKWKSA-422	5 mg/mL	50% acetonitrile / 50% water
73 of 156	412-IFTDENKWKSAREAVED-428	5 mg/mL	50% acetonitrile / 50% water
74 of 156	418-KWKSAREAVEDSRFWEL-434	5 mg/mL	50% acetonitrile / 50% water
75 of 156	423-REAVEDSRFWELVDKER-439	5 mg/mL	50% acetonitrile / 50% water
76 of 156	429-SRFWELVDKERNLHLEG-445	5 mg/mL	50% acetonitrile / 50% water
77 of 156	435-VDKERNLHLEGKCTCV-451	5 mg/mL	50% acetonitrile / 50% water
78 of 156	441-LHLEGKCTCVYNNMMGK-457	5 mg/mL	50% acetonitrile / 50% water
79 of 156	447-CETCVYNNMMGKREKKG-463	5 mg/mL	50% acetonitrile / 50% water
80 of 156	453-NMMGKREKKGEGFGKAK-469	5 mg/mL	50% acetonitrile / 50% water
81 of 156	458-REKKGEGFGKAKGSRAI-474	5 mg/mL	50% acetonitrile / 50% water
82 of 156	463-GEFGKAKGSRAIYMWL-479	5 mg/mL	50% acetonitrile / 50% water
83 of 156	469-KGSRAIYMWLGARFLE-485	5 mg/mL	DMSO
84 of 156	475-WYMWLGARFLEFEALGF-491	5 mg/mL	DMSO
85 of 156	481-ARFLEFEALGFLNEDHW-497	5 mg/mL	50% acetonitrile / 50% water
86 of 156	486-FEALGFLNEDHWFSREN-502	5 mg/mL	50% acetonitrile / 50% water
87 of 156	492-LNEDHWFSRENSLSGVE-508	5 mg/mL	50% acetonitrile / 50% water
88 of 156	498-FSRENSLSGVEGEGHLK-514	5 mg/mL	50% acetonitrile / 50% water
89 of 156	504-LSGVEGEGHLKGYILR-520	5 mg/mL	50% acetonitrile / 50% water
90 of 156	509-GEGLHKLGYILRDVSKK-525	5 mg/mL	50% acetonitrile / 50% water
91 of 156	515-LGYILRDVSKKEGGAMY-531	5 mg/mL	50% acetonitrile / 50% water
92 of 156	521-DVSKKEGGAMYADDTAG-537	5 mg/mL	50% acetonitrile / 50% water

Table 3 (continued)

Peptide	Sequence	Solubility	Solvent
93 of 156	527-GGAMYADDTAGWDTRIT-543	5 mg/mL	50% acetonitrile / 50% water
94 of 156	533-DDTAGWDTRITLEDLKN-549	5 mg/mL	50% acetonitrile / 50% water
95 of 156	539-DTRITLEDLKNEEMVTN-555	5 mg/mL	50% acetonitrile / 50% water
96 of 156	544-LEDLKNEEMVTNHMEGE-560	5 mg/mL	50% acetonitrile / 50% water
97 of 156	549-NEEMVTNHMEGEHKKLA-565	5 mg/mL	50% acetonitrile / 50% water
98 of 156	555-NHMEGEHKKLAEAIKFL-571	5 mg/mL	50% acetonitrile / 50% water
99 of 156	561-HKKLAEAIKFLTYQNKV-577	5 mg/mL	50% acetonitrile / 50% water
100 of 156	567-AIFKFLTYQNKVVRVQR-582	5 mg/mL	50% acetonitrile / 50% water
101 of 156	572-TYQNKVVRVQRPTPRGT-588	5 mg/mL	50% acetonitrile / 50% water
102 of 156	578-VRVQRPTPRGTVMDII-593	5 mg/mL	50% acetonitrile / 50% water
103 of 156	583-PTPRGTVMDIISRRDQR-599	5 mg/mL	50% acetonitrile / 50% water
104 of 156	589-VMDIISRRDQRGSGQVG-605	5 mg/mL	50% acetonitrile / 50% water
105 of 156	595-RRDQRGSGQVGTYLNT-611	5 mg/mL	50% acetonitrile / 50% water
106 of 156	601-SGQVGTYLNTFTNMEA-617	5 mg/mL	DMSO
107 of 156	607-YGLNTFTNMEAQLIRQM-623	5 mg/mL	50% acetonitrile / 50% water
108 of 156	613-TNMEAQLIRQMEGEGVF-629	5 mg/mL	50% acetonitrile / 50% water
109 of 156	619-LIRQMEGEGVFKSIQHL-635	5 mg/mL	50% acetonitrile / 50% water
110 of 156	625-GEGVFKSIQHLLVTEEI-641	5 mg/mL	50% acetonitrile / 50% water
111 of 156	631-SIQHLLVTEEIAVQNWL-647	5 mg/mL	DMSO
112 of 156	637-VTEEIAVQNWLARVGRE-653	5 mg/mL	50% acetonitrile / 50% water
113 of 156	643-VQNWLARVGRERLSRMA-659	5 mg/mL	50% acetonitrile / 50% water
114 of 156	649-RVGRERLSRMAISGDD-664	5 mg/mL	50% acetonitrile / 50% water
115 of 156	654-RLSRMAISGDDCVVKPL-670	5 mg/mL	50% acetonitrile / 50% water

116 of 156	660-ISGDDCVVKPLDDRF-675	5 mg/mL	50% acetonitrile / 50% water
117 of 156	665-CVVKPLDDRFASALTAL-681	5 mg/mL	50% acetonitrile / 50% water
118 of 156	671-DDRFASALTALNDMGKV-687	5 mg/mL	50% acetonitrile / 50% water
119 of 156	677-ALTALNDMGKVRKDIQQ-693	5 mg/mL	50% acetonitrile / 50% water
120 of 156	683-DMGKVRKDIQQWEPSRG-699	5 mg/mL	50% acetonitrile / 50% water
121 of 156	689-KDIQQWEPSRGWNDWTQ-705	5 mg/mL	50% acetonitrile / 50% water
122 of 156	694-WEPSRGWNDWTQVPF-708	5 mg/mL	50% acetonitrile / 50% water
123 of 156	698-RGWNDWTQVPFCSHHFH-714	5 mg/mL	50% acetonitrile / 50% water
124 of 156	704-TQVPFCSHHFHELIMKD-720	5 mg/mL	50% acetonitrile / 50% water
125 of 156	710-SHHFHELIMKDGRVLV-726	5 mg/mL	50% acetonitrile / 50% water
126 of 156	716-LIMKDGRVLVPCRNQD-732	5 mg/mL	50% acetonitrile / 50% water
127 of 156	722-RVLVPCRNQDELIGRA-738	5 mg/mL	50% acetonitrile / 50% water
128 of 156	728-CRNQDELIGRARISQGA-744	5 mg/mL	50% acetonitrile / 50% water
129 of 156	734-LIGRARISQGAGWSLRE-750	5 mg/mL	50% acetonitrile / 50% water
130 of 156	740-ISQGAGWSLRETACLGK-756	5 mg/mL	50% acetonitrile / 50% water
131 of 156	746-WSLRETACLGKSYAQM-762	5 mg/mL	50% acetonitrile / 50% water
132 of 156	752-ACLGKSYAQMWSLMYFH-768	5 mg/mL	50% acetonitrile / 50% water
133 of 156	758-YAQMWSLMYFHRRDLRL-774	5 mg/mL	50% acetonitrile / 50% water
134 of 156	764-LMYFHRRDLRLAANA-779	5 mg/mL	50% acetonitrile / 50% water
135 of 156	769-RRDLRLAANAICSAV-783	5 mg/mL	DMSO
136 of 156	773-RLAANAICSAVPSHWV-788	5 mg/mL	50% acetonitrile / 50% water
137 of 156	778-AICSAVPSHWVPTSRTT-794	5 mg/mL	50% acetonitrile / 50% water
138 of 156	784-PSHWVPTSRTTWSIHAK-800	5 mg/mL	50% acetonitrile / 50% water

Table 3 (continued)			
Peptide	Sequence	Solubility	Solvent
139 of 156	790-TSRTTWSIHAKHEWMTT-806	5 mg/mL	50% acetonitrile / 50% water
140 of 156	796-SIHAKHEWMTTEDMLTV-812	5 mg/mL	50% acetonitrile / 50% water
141 of 156	801-HEWMTTEDMLTVWNRVW-817	5 mg/mL	50% acetonitrile / 50% water
142 of 156	806-TEDMLTVWNRVWIQEN-821	5 mg/mL	DMSO
143 of 156	811-TVWNRVWIQENPW MEDK-827	5 mg/mL	50% acetonitrile / 50% water
144 of 156	817-WIQENPW MEDKTPVESW-833	5 mg/mL	50% acetonitrile / 50% water
145 of 156	823-WMEDKTPVESWEEIPLY-839	5 mg/mL	50% acetonitrile / 50% water
146 of 156	829-PVESWEEIPLYGKREDQ-845	5 mg/mL	50% acetonitrile / 50% water
147 of 156	833-WEEIPLYGKREDQWCG-848	5 mg/mL	50% acetonitrile / 50% water
148 of 156	838-YLGKREDQWCGSLIGLT-854	5 mg/mL	50% acetonitrile / 50% water
149 of 156	844-DQWCGSLIGLTSRATWA-860	5 mg/mL	DMSO
150 of 156	850-LIGLTSRATWAKNIQTA-866	5 mg/mL	50% acetonitrile / 50% water
151 of 156	856-RATWAKNIQTAINQVR-871	5 mg/mL	50% acetonitrile / 50% water
152 of 156	861-KNIQTAINQVRSLIGNE-877	5 mg/mL	DMSO
153 of 156	867-INQVRSLIGNEEYTDYM-883	5 mg/mL	50% acetonitrile / 50% water
154 of 156	873-LIGNEEYTDYMPMKRF-889	5 mg/mL	50% acetonitrile / 50% water
155 of 156	879-YTDYMPMKRFRKEEEE-895	5 mg/mL	50% acetonitrile / 50% water
156 of 156	885-SMKRFRKEEEEAGVLW-900	5 mg/mL	50% acetonitrile / 50% water

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