

Peptide Array, Zika Virus, PRVABC59 Envelope Protein

Catalog No. NR-50553

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Product Description: The 164-peptide array spans the envelope (E) protein of the PRVABC59 strain of Zika virus (GenPept: AMZ03556). Peptides are 15-mers, with 12 amino acid overlaps.

Lot: P5106-1 to P5106-164

The following information applies to all peptides:

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

Peptide-specific information is shown in the tables below.

Table 1							
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
1 of 164	11/8/2016	15	1-IRCIGVSNRDFVEGM-15	1695.99	0.52	94.9%	83.2%
2 of 164	11/8/2016	15	4-IGVSNRDFVEGMSGG-18	1524.68	0.36	98.1%	87.0%
3 of 164	11/8/2016	15	7-SNRDFVEGMSGGTWV-21	1641.79	0.4	95.3%	87.8%
4 of 164	11/8/2016	15	10-DFVEGMSGGTWVDVV-24	1597.77	0.55	95.7%	87.5%
5 of 164	11/8/2016	15	13-EGMSGGTWVDVVLEH-27	1615.79	0.48	98.6%	87.6%
6 of 164	11/8/2016	15	16-SGGTWVDVVLEHGCG-30	1515.67	0.54	85.2%	86.9%
7 of 164	11/8/2016	15	19-TWVDVVLEHGCGVTV-33	1613.86	0.72	98.0%	87.6%
8 of 164	11/8/2016	15	22-DVVLEHGCGVTVMAQ-36	1557.82	0.56	89.0%	87.2%
9 of 164	11/8/2016	15	25-LEHGCGVTVMAQDKP-39	1584.85	0.38	97.3%	82.3%
10 of 164	11/8/2016	15	28-GCGVTVMAQDKPTVD-42	1520.75	0.35	87.3%	87.0%
11 of 164	11/8/2016	15	31-VTVMAQDKPTVDIEL-45	1658.94	0.44	91.7%	87.9%
12 of 164	11/8/2016	15	34-MAQDKPTVDIELVTT-48	1660.91	0.37	91.1%	87.9%
13 of 164	11/8/2016	15	37-DKPTVDIELVTTTTS-51	1617.82	0.38	87.2%	87.6%
14 of 164	11/8/2016	15	40-TVDIELVTTTTSNMA-54	1593.82	0.59	80.9%	87.5%
15 of 164	11/8/2016	15	43-IELVTTTTSNMAEVR-57	1662.93	0.52	89.2%	87.9%
16 of 164	11/8/2016	15	46-VTTTTSNMAEVRSYC-60	1660.89	0.49	82.8%	87.9%
17 of 164	11/8/2016	15	49-TVSNMAEVRSYCYEA-63	1722.91	0.42	86.5%	88.3%
18 of 164	11/8/2016	15	52-NMAEVRSYCYEASIS-66	1722.91	0.43	80.7%	88.3%
19 of 164	11/8/2016	15	55-EVRSYCYEASISDMA-69	1723.90	0.34	90.4%	88.3%
20 of 164	11/8/2016	15	58-SYCYEASISDMASDS-72	1628.70	0.32	80.3%	87.7%
21 of 164	11/8/2016	15	61-YEASISDMASDSRCP-75	1631.76	0.23	86.3%	87.7%
22 of 164	11/8/2016	15	64-SISDMASDSRCPQG-78	1554.68	0.2	96.0%	87.2%
23 of 164	11/8/2016	15	67-DMASDSRCPQGEAY-81	1630.73	0.12	86.5%	87.7%
24 of 164	11/8/2016	15	70-SDSRCPQGEAYLDK-84	1669.79	0.07	82.7%	83.0%
25 of 164	11/8/2016	15	73-RCPTQGEAYLDKQSD-87	1710.84	0.06	82.2%	83.3%
26 of 164	11/8/2016	15	76-TQGEAYLDKQSDTQY-90	1746.80	0.04	83.0%	88.5%

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Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
27 of 164	11/8/2016	15	79-EAYLDKQSDTQYVCK-93	1790.96	0.15	83.6%	84.0%
28 of 164	11/8/2016	15	82-LDKQSDTQYVCKRTL-96	1798.05	0.18	93.6%	79.8%
29 of 164	11/8/2016	15	85-QSDTQYVCKRTLVD-99	1812.04	0.14	95.6%	79.9%
30 of 164	11/8/2016	15	88-TQYVCKRTLVD-102	1782.06	0.36	94.8%	79.6%
31 of 164	11/8/2016	15	91-VCKRTLVD-105	1663.95	0.44	91.4%	78.5%
32 of 164	11/8/2016	15	94-RTLVD-108	1650.89	0.55	96.6%	82.8%
33 of 164	11/8/2016	15	97-VDRGWGNGCGLFGK-111	1522.71	0.42	93.6%	81.7%
34 of 164	11/8/2016	15	100-GWNGCGLFGKSLV-114	1451.68	0.65	84.1%	86.4%
35 of 164	11/8/2016	15	103-NGCGLFGKSLVTCA-117	1426.69	0.64	96.9%	86.2%
36 of 164	11/8/2016	15	106-GLFGKSLVTC-120	1498.82	0.57	97.4%	81.4%
37 of 164	11/8/2016	15	109-GKSLVTC-123	1499.82	0.37	97.2%	76.7%
38 of 164	11/8/2016	15	112-SLVTC-126	1618.02	0.47	94.5%	78.0%
39 of 164	11/8/2016	15	115-TC-129	1590.96	0.21	97.4%	73.6%
40 of 164	11/8/2016	15	118-K-132	1654.04	0.23	97.6%	74.4%
41 of 164	11/8/2016	15	121-CS-135	1663.99	0.26	90.5%	78.5%
42 of 164	11/8/2016	15	124-K-138	1794.06	0.18	93.1%	79.7%
43 of 164	11/8/2016	15	127-G-141	1791.10	0.46	81.2%	84.0%
44 of 164	11/8/2016	15	130-I-144	1842.15	0.62	88.8%	84.3%
45 of 164	11/8/2016	15	133-EN-147	1776.01	0.45	80.0%	83.9%
46 of 164	11/8/2016	15	136-E-150	1700.90	0.35	97.9%	78.9%
47 of 164	11/8/2016	15	139-IM-153	1595.92	0.67	91.0%	82.4%
48 of 164	11/8/2016	15	142-S-156	1568.70	0.37	80.1%	82.1%
49 of 164	11/8/2016	15	145-G-159	1568.65	0.24	83.1%	82.1%
50 of 164	11/8/2016	15	148-H-162	1641.70	0.18	84.7%	82.8%
51 of 164	11/8/2016	15	151-M-165	1701.80	0.17	83.7%	83.3%
52 of 164	11/8/2016	15	154-ND-168	1714.73	-0.14	89.5%	79.0%
53 of 164	11/8/2016	15	157-G-171	1695.82	0.04	81.6%	78.8%
54 of 164	11/8/2016	15	160-T-174	1670.81	0.16	91.4%	83.0%
55 of 164	11/8/2016	15	163-N-177	1681.88	0.15	88.3%	78.7%
56 of 164	11/8/2016	15	166-K-180	1625.85	0.31	83.4%	82.6%
57 of 164	11/8/2016	15	169-IT-183	1530.71	0.45	83.9%	87.0%
58 of 164	11/8/2016	15	172-NS-186	1476.62	0.38	86.9%	86.6%
59 of 164	11/8/2016	15	175-RA-189	1463.62	0.35	99.4%	86.5%
60 of 164	11/8/2016	15	178-AT-192	1436.61	0.55	82.0%	86.3%
61 of 164	11/8/2016	15	181-G-195	1465.61	0.35	88.1%	86.5%
62 of 164	11/8/2016	15	184-G-198	1579.76	0.41	83.3%	87.4%
63 of 164	11/8/2016	15	187-GL-201	1637.80	0.36	88.1%	87.8%
64 of 164	11/8/2016	15	190-CE-204	1792.00	0.54	93.3%	88.7%
65 of 164	11/8/2016	15	193-RT-207	1809.03	0.57	98.3%	88.8%
66 of 164	11/8/2016	15	196-L-210	1874.10	0.6	82.3%	84.6%
67 of 164	11/8/2016	15	199-SD-213	1897.18	0.77	93.6%	84.7%
68 of 164	11/8/2016	15	202-Y-216	1976.29	0.61	81.2%	77.6%
69 of 164	11/8/2016	15	205-T-219	2007.32	0.64	86.7%	74.6%
70 of 164	11/8/2016	15	208-N-222	1986.28	0.62	86.2%	74.4%
71 of 164	11/8/2016	15	211-W-225	2003.35	0.95	81.8%	81.5%
72 of 164	11/8/2016	15	214-H-228	1870.11	0.64	92.2%	76.6%

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73 of 164	11/8/2016	15	217-WFHDIPLPWHAGADT-231	1762.95	0.72	95.4%	83.8%
74 of 164	11/8/2016	15	220-DIPLPWHAGADTGTP-234	1547.70	0.51	96.9%	87.2%
75 of 164	11/8/2016	15	223-LPWHAGADTGTPHWN-237	1659.79	0.59	95.7%	82.9%
76 of 164	11/8/2016	15	226-HAGADTGTPHWNNKE-240	1634.69	0.21	82.3%	78.2%
77 of 164	11/8/2016	15	229-ADTGTPHWNNKEALV-243	1652.79	0.4	80.6%	82.9%
78 of 164	11/8/2016	15	232-GTPHWNNKEALVEFK-246	1769.99	0.42	91.0%	79.5%
79 of 164	11/8/2016	15	235-HWNNKEALVEFKDAH-249	1838.02	0.33	94.4%	76.3%
80 of 164	11/8/2016	15	238-NKEALVEFKDAHAKR-252	1756.00	0.02	91.9%	72.0%
81 of 164	11/8/2016	15	241-ALVEFKDAHAKRQTV-255	1712.98	0.18	83.8%	75.0%
82 of 164	11/8/2016	15	244-EFKDAHAKRQTVVVL-258	1741.03	0.24	92.4%	75.3%
83 of 164	11/8/2016	15	247-DAHAKRQTVVVLGSQ-261	1608.83	0.21	92.4%	77.9%
84 of 164	11/8/2016	15	250-AKRQTVVVLGSQEGA-264	1542.76	0.21	86.2%	81.9%
85 of 164	11/8/2016	15	253-QTVVVLGSQEGAVHT-267	1524.70	0.43	95.8%	87.0%
86 of 164	11/8/2016	15	256-VVLGSQEGAVHTALA-270	1451.65	0.5	98.3%	86.4%
87 of 164	11/8/2016	15	259-GSQEGAVHTALAGAL-273	1381.52	0.36	87.1%	85.8%
88 of 164	11/8/2016	15	262-EGAVHTALAGALEAE-276	1438.57	0.31	81.6%	86.3%
89 of 164	11/8/2016	15	265-VHTALAGALEAEMDG-279	1484.66	0.36	99.6%	86.7%
90 of 164	11/8/2016	15	268-ALAGALEAEMDGAKG-282	1403.58	0.21	95.8%	86.0%
91 of 164	11/8/2016	15	271-GALEAEMDGAKGRSL-285	1504.69	0.1	93.4%	81.5%
92 of 164	11/8/2016	15	274-EAEMDGAKGRSLSSGH-288	1544.67	-0.03	85.6%	77.2%
93 of 164	11/8/2016	15	277-MDGAKGRSLSSGHLKC-291	1559.84	0.18	92.9%	73.2%
94 of 164	11/8/2016	15	280-AKGRSLSSGHLKCRLK-294	1654.02	0.13	94.6%	67.5%
95 of 164	11/8/2016	15	283-RLSSGHLKCRLKMDK-297	1772.18	0.14	89.0%	69.0%
96 of 164	11/8/2016	15	286-SGHLKCRLKMDKLR-300	1798.26	0.26	84.7%	69.3%
97 of 164	11/8/2016	15	289-LKCRLKMDKLRKLG-303	1801.35	0.27	82.2%	69.3%
98 of 164	11/8/2016	15	292-RLKMDKLRKLGVSYS-306	1794.20	0.18	81.3%	72.4%
99 of 164	11/8/2016	15	295-MDKLRKLGVSYSLCT-309	1714.08	0.43	95.3%	79.0%
100 of 164	11/8/2016	15	298-LRLKGVSYSLCTAAF-312	1628.96	0.63	91.2%	82.6%
101 of 164	11/8/2016	15	301-KGVSYSLCTAAFTFT-315	1595.84	0.62	90.6%	87.5%
102 of 164	11/8/2016	15	304-SYSLCTAAFTFTKIP-318	1649.93	0.71	99.3%	87.9%
103 of 164	11/8/2016	15	307-LCTAAFTFTKIPAE-321	1613.90	0.65	97.9%	87.6%
104 of 164	11/8/2016	15	310-AAFTFTKIPAE TLHG-324	1603.85	0.53	85.8%	82.4%
105 of 164	11/8/2016	15	313-TFTKIPAE TLHGTVT-327	1615.86	0.49	90.8%	82.5%
106 of 164	11/8/2016	15	316-KIPAE TLHGTVTVEL-330	1607.88	0.46	95.7%	82.5%
107 of 164	11/8/2016	15	319-AE TLHGTVTVELQYA-333	1631.81	0.42	95.3%	87.7%
108 of 164	11/8/2016	15	322-LHGTVTVELQYAGTD-336	1603.75	0.39	99.5%	87.6%
109 of 164	11/8/2016	15	325-TVTVELQYAGTDGPC-339	1553.71	0.42	81.0%	87.2%
110 of 164	11/8/2016	15	328-VELQYAGTDGPCKVP-342	1576.79	0.37	89.0%	87.4%
111 of 164	11/8/2016	15	331-QYAGTDGPCKVPAQM-345	1565.79	0.34	88.7%	87.3%
112 of 164	11/8/2016	15	334-GTDGPCKVPAQMAVD-348	1488.71	0.32	85.6%	86.7%
113 of 164	11/8/2016	15	337-GPCKVPAQMAVDMQT-351	1575.90	0.44	82.5%	87.4%
114 of 164	11/8/2016	15	340-KVPAQMAVDMQTLTP-354	1629.97	0.47	87.2%	87.7%
115 of 164	11/8/2016	15	343-AQMAVDMQTLTPVGR-357	1617.92	0.42	91.7%	87.6%
116 of 164	11/8/2016	15	346-AVDMQTLTPVGR LIT-360	1614.94	0.58	93.6%	87.6%
117 of 164	11/8/2016	15	349-MQTLTPVGR LITANP-363	1611.93	0.64	86.6%	87.6%
118 of 164	11/8/2016	15	352-LTPVGR LITANPVIT-366	1564.90	0.77	92.2%	87.3%

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119 of 164	11/8/2016	15	355-VGRLITANPVITEST-369	1570.82	0.56	88.3%	87.3%
120 of 164	11/8/2016	15	358-LITANPVITESTENS-372	1588.74	0.54	83.4%	87.5%
121 of 164	11/8/2016	15	361-ANPVITESTENSKMM-375	1651.89	0.39	83.5%	87.9%
122 of 164	11/8/2016	15	364-VITESTENSKMMLEL-378	1725.02	0.47	93.4%	88.3%
123 of 164	11/8/2016	15	367-ESTENSKMMLELDP-381	1720.95	0.29	95.7%	88.3%
124 of 164	11/8/2016	15	370-ENSKMMLELDPPFGD-384	1722.97	0.39	92.6%	88.3%
125 of 164	11/8/2016	15	373-KMMLELDPPFGDSYI-387	1756.08	0.58	85.5%	88.5%
126 of 164	11/8/2016	15	376-LELDPPFGDSYIVIG-390	1634.85	0.68	93.8%	87.8%
127 of 164	11/8/2016	15	379-DPPFGDSYIVIGVGE-393	1564.72	0.53	94.3%	87.3%
128 of 164	11/8/2016	15	382-FGDSYIVIGVGEKKI-396	1624.90	0.48	92.0%	82.6%
129 of 164	11/8/2016	15	385-SYIVIGVGEKKITHH-399	1680.97	0.44	83.1%	74.7%
130 of 164	11/8/2016	15	388-VIGVGEKKITHHWHR-402	1797.11	0.35	94.4%	69.2%
131 of 164	11/8/2016	15	391-VGEKKITHHWHRSGS-405	1758.97	0.15	90.3%	68.8%
132 of 164	11/8/2016	15	394-KKITHHWHRSGSTIG-408	1744.99	0.25	85.8%	68.6%
133 of 164	11/8/2016	15	397-THHWHRSGSTIGKAF-411	1721.91	0.33	89.2%	71.6%
134 of 164	11/8/2016	15	400-WHRSGSTIGKAFEAT-414	1647.82	0.29	94.4%	78.3%
135 of 164	11/8/2016	15	403-SGSTIGKAFEATVRG-417	1480.65	0.22	91.0%	81.2%
136 of 164	11/8/2016	15	406-TIGKAFEATVRGAKR-420	1604.88	0.11	81.3%	73.8%
137 of 164	11/8/2016	15	409-KAFEATVRGAKRMAV-423	1634.97	0.15	82.4%	74.1%
138 of 164	11/8/2016	15	412-EATVRGAKRMAVLGD-426	1573.85	0.14	81.5%	77.5%
139 of 164	11/8/2016	15	415-VRGAKRMAVLGDTAW-429	1630.94	0.34	88.1%	78.2%
140 of 164	11/8/2016	15	418-AKRMAVLGDTAWDFG-432	1637.89	0.39	96.6%	82.7%
141 of 164	11/8/2016	15	421-MAVLGDTAWDFGSVG-435	1525.71	0.58	94.7%	87.0%
142 of 164	11/8/2016	15	424-LGDTAWDFGSVG GAL-438	1465.59	0.53	94.8%	86.5%
143 of 164	11/8/2016	15	427-TAWDFGSVG GALNSL-441	1494.63	0.62	96.1%	86.8%
144 of 164	11/8/2016	15	430-DFGSVG GALNSL GKG-444	1378.51	0.37	89.1%	85.8%
145 of 164	11/8/2016	15	433-SVGGALNSL GKG I HQ-447	1437.63	0.41	84.3%	80.8%
146 of 164	11/8/2016	15	436-GALNSL GKG I HQ I FG-450	1511.75	0.57	81.4%	81.6%
147 of 164	11/8/2016	15	439-NSL GKG I HQ I FG AAF-453	1559.80	0.6	82.8%	82.0%
148 of 164	11/8/2016	15	442-GKG I HQ I FG AAF KSL-456	1573.87	0.49	86.4%	77.5%
149 of 164	11/8/2016	15	445-IHQ I FG AAF KSL FGG-459	1592.87	0.68	90.4%	82.3%
150 of 164	11/8/2016	15	448-IFG AAF KSL FGG MSW-462	1618.93	0.79	98.8%	87.7%
151 of 164	11/8/2016	15	451-AAFKSL FGG MSW FSQ-465	1663.92	0.66	92.9%	87.9%
152 of 164	11/8/2016	15	454-KSL FGG MSW FSQ I LI-468	1714.07	0.85	95.9%	88.3%
153 of 164	11/8/2016	15	457-FGG MSW FSQ I LI G TL-471	1656.97	0.93	98.5%	87.9%
154 of 164	11/8/2016	15	460-MSW FSQ I LI G TL LMW-474	1826.26	1.16	97.5%	88.9%
155 of 164	11/8/2016	15	463-FSQ I LI G TL LMW LGL-477	1705.15	1.16	98.8%	88.2%
156 of 164	11/8/2016	15	466-ILIG TL LMW LGL NTK-480	1686.14	1.05	95.4%	88.1%
157 of 164	11/8/2016	15	469-GTLLMW LGL NTKNGS-483	1604.90	0.73	81.0%	87.6%
158 of 164	11/8/2016	15	472-LMW LGL NTKNGS I SL-486	1646.98	0.83	87.0%	87.8%
159 of 164	11/8/2016	15	475-LGL NTKNGS I SL MCL-489	1563.91	0.78	95.3%	87.3%
160 of 164	11/8/2016	15	478-NTKNGS I SL MCL ALG-492	1521.83	0.69	99.3%	87.0%
161 of 164	11/8/2016	15	481-NGS I SL MCL ALG GVL-495	1447.79	0.89	98.3%	86.4%
162 of 164	11/8/2016	15	484-ISL MCL ALG GVL I FL-498	1563.05	1.21	99.5%	87.3%
163 of 164	11/8/2016	15	487-MCL ALG GVL I FL STA-501	1508.92	1.01	97.5%	86.9%
164 of 164	11/8/2016	15	490-ALG GVL I FL STA VSA-504	1418.71	0.82	93.7%	86.2%

^a% full-length

^bRemainder is salt and water

Table 2 - Amino Acid Analysis

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
1 of 164	Expected		2.00	2.00	1.00	1.00	2.00		2.00			1.00	1.00		1.00				2.00
	Actual		2.00	2.00	0.24 ^a	0.80	1.85		2.14			0.81	0.90		1.09				1.92
2 of 164	Expected		1.00	2.00		1.00	4.00		1.00			1.00	1.00		2.00				2.00
	Actual		1.08	2.04		0.94	3.91		1.10			0.97	1.00		1.78				1.93
3 of 164	Expected		1.00	2.00		1.00	3.00					1.00	1.00		2.00	1.00	1.00		2.00
	Actual		0.80	1.87		0.96	3.00					1.01	0.91		1.75	1.00	0.00 ^b		1.91
4 of 164	Expected			2.00		1.00	3.00					1.00	1.00		1.00	1.00	1.00		4.00
	Actual			2.06		1.01	3.00					1.05	0.95		0.92	1.05	0.00 ^b		3.35 ^c
5 of 164	Expected			1.00		2.00	3.00	1.00		1.00		1.00			1.00	1.00	1.00		3.00
	Actual			0.96		2.00	2.97	1.08		0.97		0.99			0.85	0.94	0.00 ^b		1.90 ^c
6 of 164	Expected			1.00	1.00	1.00	4.00	1.00		1.00					1.00	1.00	1.00		3.00
	Actual			1.00	0.28 ^a	1.10	3.81	1.16		1.04					0.84	0.90	0.00 ^b		2.11 ^c
7 of 164	Expected			1.00	1.00	1.00	2.00	1.00		1.00						2.00	1.00		5.00
	Actual			0.79	0.26 ^a	1.00	2.02	1.11		0.99						1.81	0.00 ^b		3.91 ^c
8 of 164	Expected	1.00		1.00	1.00	2.00	2.00	1.00		1.00		1.00				1.00			4.00
	Actual	0.81		0.81	0.44 ^a	1.82	1.79	1.05		1.00		1.06				0.86			2.83 ^c
9 of 164	Expected	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	1.03		1.07	0.55 ^a	2.05	1.97	0.90		0.94	0.99	0.99		1.00		1.00			1.98
10 of 164	Expected	1.00		2.00	1.00	1.00	2.00				1.00	1.00		1.00		2.00			3.00
	Actual	0.91		2.00	0.54 ^a	0.98	1.90				0.91	1.02		0.99		1.79			2.90
11 of 164	Expected	1.00		2.00		2.00			1.00	1.00	1.00	1.00		1.00		2.00			3.00
	Actual	1.01		2.00		1.93			0.83	1.05	0.91	0.98		0.99		1.85			2.95
12 of 164	Expected	1.00		2.00		2.00			1.00	1.00	1.00	1.00		1.00		3.00			2.00
	Actual	0.78		1.78		1.87			1.08	1.13	0.88	0.93		0.91		3.00			2.12
13 of 164	Expected			2.00		1.00			1.00	1.00	1.00			1.00	1.00	4.00			3.00
	Actual			1.80		1.01			0.91	1.04	1.07			0.95	1.03	3.84			3.00
14 of 164	Expected	1.00		2.00		1.00			1.00	1.00		1.00			1.00	4.00			3.00
	Actual	0.96		2.00		1.00			0.83	0.96		1.03			0.93	3.89			3.01
15 of 164	Expected	1.00	1.00	1.00		2.00			1.00	1.00		1.00			1.00	3.00			3.00
	Actual	0.94	0.78	0.95		1.95			1.00	1.03		1.00			0.86	2.95			2.91
16 of 164	Expected	1.00	1.00	1.00	1.00	1.00						1.00			2.00	3.00		1.00	3.00
	Actual	0.99	0.88	0.96	0.47 ^a	1.00						1.04			1.81	2.85		1.10	2.84
17 of 164	Expected	2.00	1.00	1.00	1.00	2.00						1.00			2.00	1.00		2.00	2.00
	Actual	1.96	0.76	0.93	0.49 ^a	2.09						1.02			2.00	0.85		1.86	1.97
18 of 164	Expected	2.00	1.00	1.00	1.00	2.00			1.00			1.00			3.00			2.00	1.00
	Actual	2.01	0.90	0.94	0.51 ^a	2.03			1.06			0.94			2.93			1.83	0.97
19 of 164	Expected	2.00	1.00	1.00	1.00	2.00			1.00			1.00			3.00			2.00	1.00
	Actual	1.84	0.86	1.00	0.53 ^a	1.80			0.91			0.87			2.82			1.99	1.09
20 of 164	Expected	2.00		2.00	1.00	1.00			1.00			1.00			5.00			2.00	
	Actual	1.96		2.05	0.17 ^a	0.91			1.00			1.03			5.01			1.85	
21 of 164	Expected	2.00	1.00	2.00	1.00	1.00			1.00			1.00		1.00	4.00			1.00	
	Actual	1.84	1.00	1.98	0.18 ^a	1.08			0.89			1.04		1.00	3.88			1.07	
22 of 164	Expected	1.00	1.00	2.00	1.00	1.00	1.00		1.00			1.00		1.00	4.00	1.00			
	Actual	0.92	1.00	1.80	0.29 ^a	1.04	1.07		0.85			1.01		1.02	3.89	0.99			
23 of 164	Expected	2.00	1.00	2.00	1.00	2.00	1.00					1.00		1.00	2.00	1.00		1.00	
	Actual	1.76	0.87	1.87	0.27 ^a	2.00	0.99					0.83		0.96	1.91	0.94		1.10	
24 of 164	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	
	Actual	1.02	0.94	1.91	0.24 ^a	2.13	1.02			0.96	1.02			1.00	1.75	0.98		1.11	
25 of 164	Expected	1.00	1.00	2.00	1.00	3.00	1.00			1.00	1.00			1.00	1.00	1.00		1.00	
	Actual	0.95	0.80	1.96	0.17 ^a	2.91	0.94			0.94	1.00			0.89	0.98	0.89		1.03	

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)
26 of 164	Expected	1.00		2.00		4.00	1.00			1.00	1.00				1.00	2.00		2.00	
	Actual	0.98		2.12		4.05	0.98			0.90	1.00				1.04	1.91		2.04	
27 of 164	Expected	1.00		2.00	1.00	3.00				1.00	2.00				1.00	1.00		2.00	1.00
	Actual	0.94		2.00	0.16 ^a	3.04				0.87	2.14				0.94	0.96		1.87	1.05
28 of 164	Expected		1.00	2.00	1.00	2.00				2.00	2.00				1.00	2.00		1.00	1.00
	Actual		0.83	2.14	0.15 ^a	1.98				2.01	2.00				0.99	1.98		0.98	0.98
29 of 164	Expected		2.00	2.00	1.00	2.00				1.00	1.00				1.00	2.00		1.00	2.00
	Actual		2.13	1.88	0.15 ^a	1.93				1.00	1.12				0.87	1.95		0.97	1.82
30 of 164	Expected		2.00	1.00	1.00	1.00	2.00			1.00	1.00					2.00	1.00	1.00	2.00
	Actual		2.00	0.99	0.32 ^a	0.94	2.04			0.95	1.04					1.80	0.00 ^b	0.92	1.93
31 of 164	Expected		2.00	2.00	2.00		3.00			1.00	1.00					1.00	1.00		2.00
	Actual		2.12	2.00	0.29 ^a		3.09			0.92	0.92					0.97	0.00 ^b		1.90
32 of 164	Expected		2.00	2.00	1.00		4.00			2.00			1.00			1.00	1.00		1.00
	Actual		2.14	1.99	0.16 ^a		4.05			1.88			1.05			0.95	0.00 ^b		0.93
33 of 164	Expected		1.00	2.00	1.00		6.00			1.00	1.00		1.00				1.00		1.00
	Actual		1.07	1.81	0.35 ^a		6.09			0.99	0.99		1.00				0.00 ^b		0.95
34 of 164	Expected			1.00	1.00		6.00			2.00	1.00		1.00		1.00		1.00		1.00
	Actual			0.99	0.15 ^a		6.01			1.98	1.02		0.99		1.00		0.00 ^b		1.04
35 of 164	Expected	1.00		1.00	2.00		4.00			2.00	1.00		1.00		1.00	1.00			1.00
	Actual	0.93		0.91	0.25 ^a		3.98			2.00	0.76		1.06		0.98	0.77			0.96
36 of 164	Expected	2.00			1.00		3.00			2.00	2.00		2.00		1.00	1.00			1.00
	Actual	1.92			0.13 ^a		2.89			1.95	2.07		1.93		1.05	1.00			0.98
37 of 164	Expected	2.00			2.00		2.00			1.00	3.00		1.00		2.00	1.00			1.00
	Actual	1.84			0.36 ^a		1.79			0.97	2.86		1.06		1.97	0.76			1.00
38 of 164	Expected	2.00			2.00					1.00	3.00	1.00	1.00		2.00	2.00			1.00
	Actual	1.96			0.22 ^a					0.79	3.00	0.96	1.02		1.89	1.87			1.02
39 of 164	Expected	2.00			2.00		1.00				4.00	1.00	1.00		2.00	2.00			
	Actual	1.95			0.25 ^a		1.06				3.92	1.11	1.00		2.03	1.82			
40 of 164	Expected	1.00			1.00	1.00	1.00		1.00		4.00	1.00	1.00	1.00	2.00	1.00			
	Actual	0.81			0.20 ^a	1.03	1.04		0.96		3.78	0.92	0.97	1.06	2.00	1.01			
41 of 164	Expected			1.00	1.00	2.00	1.00		1.00	1.00	3.00	1.00		1.00	2.00	1.00			
	Actual			0.88	0.12 ^a	1.89	1.00		0.88	1.03	2.85	1.09		0.88	1.79	1.04			
42 of 164	Expected		1.00	1.00		3.00	1.00		1.00	1.00	2.00	1.00		1.00	1.00	1.00			1.00
	Actual		1.09	0.95		3.03	0.96		0.92	1.03	1.96	0.99		1.00	0.91	0.99			1.20
43 of 164	Expected		1.00	1.00		3.00	1.00		2.00	2.00	1.00	1.00		1.00	1.00				1.00
	Actual		0.88	0.95		3.04	1.02		1.78	2.01	0.95	0.80		1.04	0.96				0.96
44 of 164	Expected		1.00	1.00		3.00		1.00	2.00	2.00		1.00		1.00	1.00			1.00	1.00
	Actual		1.01	0.94		2.92		0.92	1.92	2.06		1.06		1.00	0.90			0.95	0.85
45 of 164	Expected		1.00	1.00		3.00	1.00	1.00	1.00	2.00		1.00			2.00			1.00	1.00
	Actual		1.00	1.00		3.12	1.12	0.97	1.00	1.88		1.06			1.80			0.86	0.85
46 of 164	Expected		1.00			2.00	2.00	2.00	1.00	1.00		1.00			3.00			1.00	1.00
	Actual		0.93			1.89	2.00	2.06	0.97	1.05		1.06			2.98			0.82	0.88
47 of 164	Expected					1.00	2.00	2.00	2.00	1.00		2.00			3.00				2.00
	Actual					1.08	2.07	2.14	2.00 ^c	1.00		2.06			2.85				1.85 ^c
48 of 164	Expected			2.00		1.00	2.00	2.00	1.00			1.00			3.00	1.00			2.00
	Actual			2.09		0.97	1.93	2.00	0.78 ^c			0.97			2.88	0.89			1.46 ^c
49 of 164	Expected			2.00		2.00	3.00	2.00	1.00			1.00			2.00	1.00			1.00
	Actual			2.11		1.91	2.95	2.00	0.69 ^c			1.14			2.06	0.95			0.69 ^c
50 of 164	Expected			3.00		2.00	2.00	2.00	1.00			1.00			1.00	2.00			1.00
	Actual			2.89		1.85	2.01	2.00	0.62 ^c			1.04			0.84	1.91			0.61 ^c

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)
51 of 164	Expected	1.00	1.00	4.00		2.00	1.00	1.00	1.00			1.00				2.00			1.00
	Actual	0.90	0.95	3.95		1.98	1.12	1.00	0.86 ^c			1.12				2.00			0.69 ^c
52 of 164	Expected	1.00	1.00	4.00		3.00	1.00	1.00			1.00					2.00			1.00
	Actual	1.01	1.06	3.96		3.03	0.99	1.04			0.89					2.00			0.95
53 of 164	Expected	1.00	1.00	2.00		3.00	1.00	1.00	1.00		1.00			1.00		2.00			1.00
	Actual	0.95	0.97	1.83		2.96	0.90	0.92	1.00		0.85			1.06		1.89			0.88
54 of 164	Expected	1.00	1.00	3.00		2.00			1.00		1.00			2.00	1.00	2.00			1.00
	Actual	1.00	1.01	2.80		2.01			1.06		0.87			2.13	0.91	1.98			0.94
55 of 164	Expected	2.00	2.00	2.00		2.00			1.00		1.00			2.00	1.00	1.00			1.00
	Actual	1.89	1.96	1.91		2.00			1.03		0.87			1.95	0.89	1.00			0.91
56 of 164	Expected	2.00	1.00	1.00		2.00			1.00	1.00	1.00			2.00	1.00	2.00			1.00
	Actual	1.90	1.00	0.97		2.00			1.02	1.08	0.78			2.04	1.14	1.77			0.77
57 of 164	Expected	2.00	1.00	1.00		1.00	2.00		1.00	1.00			1.00	2.00	1.00	2.00			
	Actual	1.99	1.10	1.01		1.02	1.94		1.00	1.00			1.10	2.13	1.00	1.94			
58 of 164	Expected	2.00	1.00	1.00		1.00	3.00			2.00			1.00	1.00	2.00	1.00			
	Actual	1.94	1.15	0.84		0.93	2.82			2.00			1.08	1.13	1.83	1.02			
59 of 164	Expected	2.00	1.00	1.00		1.00	4.00			3.00			1.00		1.00	1.00			
	Actual	1.76	0.95	1.05		0.94	4.11			3.00			1.10		1.00	0.95			
60 of 164	Expected	1.00		1.00	1.00	1.00	4.00			3.00			1.00	1.00	1.00	1.00			
	Actual	0.90		0.84	0.28 ^a	0.96	4.01			3.03			1.03	1.00	1.06	1.00			
61 of 164	Expected		1.00	1.00	1.00	1.00	5.00			2.00			1.00	1.00	1.00	1.00			
	Actual		1.08	0.93	0.29 ^a	1.04	4.90			1.90			1.00	1.05	0.93	1.07			
62 of 164	Expected		1.00	2.00	1.00	1.00	3.00			3.00			1.00	1.00	1.00	1.00			
	Actual		0.98	1.83	0.37 ^a	1.00	2.77			2.79			1.07	0.96	0.91	0.98			
63 of 164	Expected		1.00	3.00	1.00	1.00	2.00			3.00			1.00	1.00	1.00	1.00			
	Actual		1.05	2.83	0.17 ^a	1.00	1.94			2.88			0.89	1.00	0.89	1.03			
64 of 164	Expected		1.00	2.00	1.00	1.00	1.00			3.00			1.00	1.00	1.00	1.00		2.00	
	Actual		1.04	1.95	0.33 ^a	1.15	0.97			2.98			1.10	1.01	1.00	1.03		1.90	
65 of 164	Expected		1.00	3.00			1.00			3.00		1.00	1.00		1.00	2.00		2.00	
	Actual		0.92	2.82			0.89			2.76		1.13	0.95		1.03	1.86		2.00	
66 of 164	Expected			4.00				1.00		3.00	1.00	1.00	1.00		1.00	1.00		2.00	
	Actual			3.94				1.08		2.92	0.86	1.00	0.94		0.92	1.01		2.12	
67 of 164	Expected			3.00				1.00		3.00	1.00	1.00			1.00	1.00	1.00	2.00	1.00
	Actual			2.91				1.03		2.88	0.80	1.12			0.91	1.07	0.00 ^b	2.00	1.00
68 of 164	Expected			2.00		1.00		2.00		2.00	2.00	1.00				1.00	1.00	2.00	1.00
	Actual			1.93		1.00		1.97		1.89	1.79	1.04				0.95	0.00 ^b	1.77	0.90
69 of 164	Expected			2.00		1.00		3.00		1.00	2.00	1.00	1.00			1.00	2.00		1.00
	Actual			2.00		1.11		2.88		1.00	1.96	1.04	1.05			0.96	0.00 ^b		1.00
70 of 164	Expected			2.00		1.00		3.00	1.00	1.00	2.00		1.00	1.00			2.00		1.00
	Actual			2.00		1.07		3.00	1.02	1.01	1.86		1.01	0.92			0.00 ^b		0.81
71 of 164	Expected			1.00		1.00		2.00	1.00	2.00	1.00		1.00	2.00			3.00		1.00
	Actual			1.00		1.02		1.82	0.88	1.93	0.91		0.93	2.03			0.00 ^b		0.94
72 of 164	Expected	1.00		1.00		1.00	1.00	3.00	1.00	1.00	1.00		1.00	2.00			2.00		
	Actual	0.79		0.95		1.14	0.89	2.96	0.86	1.00	1.00		1.00	1.87			0.00 ^b		
73 of 164	Expected	2.00		2.00			1.00	2.00	1.00	1.00			1.00	2.00		1.00	2.00		
	Actual	1.95		1.81			1.01	2.03	0.90	0.99			0.91	1.97		1.00	0.00 ^b		
74 of 164	Expected	2.00		2.00			2.00	1.00	1.00	1.00				3.00		2.00	1.00		
	Actual	1.87		1.95			2.03	1.09	0.92	1.00				3.07		2.05	0.00 ^b		
75 of 164	Expected	2.00		2.00			2.00	2.00		1.00				2.00		2.00	2.00		
	Actual	1.99		2.00			1.98	2.04		1.01				2.02		2.00	0.00 ^b		

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)
76 of 164	Expected	2.00		3.00		1.00	2.00	2.00			1.00			1.00		2.00	1.00		
	Actual	1.96		2.84		1.06	2.00	2.18			0.97			1.03		2.00	0.00 ^b		
77 of 164	Expected	2.00		3.00		1.00	1.00	1.00		1.00	1.00			1.00		2.00	1.00		1.00
	Actual	1.99		2.95		1.10	0.97	1.04		1.00	0.98			1.01		1.96	0.00 ^b		0.99
78 of 164	Expected	1.00		2.00		2.00	1.00	1.00		1.00	2.00		1.00	1.00		1.00	1.00		1.00
	Actual	1.01		2.00		2.08	0.99	1.03		0.95	1.88		1.03	1.04		1.00	0.00 ^b		0.87
79 of 164	Expected	2.00		3.00		2.00		2.00		1.00	2.00		1.00				1.00		1.00
	Actual	2.02		2.94		2.02		2.01		0.92	1.85		1.02				0.00 ^b		0.84
80 of 164	Expected	3.00	1.00	2.00		2.00		1.00		1.00	3.00		1.00						1.00
	Actual	2.82	1.00	1.82		1.95		1.03		0.94	3.02		1.04						0.92
81 of 164	Expected	3.00	1.00	1.00		2.00		1.00		1.00	2.00		1.00			1.00			2.00
	Actual	2.96	1.04	0.96		2.03		1.03		0.88	1.79		1.00			1.03			1.94
82 of 164	Expected	2.00	1.00	1.00		2.00		1.00		1.00	2.00		1.00			1.00			3.00
	Actual	1.88	0.95	0.90		1.87		0.98		1.13	1.88		0.92			1.00			2.03 ^c
83 of 164	Expected	2.00	1.00	1.00		2.00	1.00	1.00		1.00	1.00				1.00	1.00			3.00
	Actual	1.91	0.95	0.80		2.00	1.08	0.82		1.00	0.94				0.94	0.96			2.24 ^c
84 of 164	Expected	2.00	1.00			3.00	2.00			1.00	1.00				1.00	1.00			3.00
	Actual	2.05	1.02			2.99	2.09			1.00	1.05				0.91	0.96			2.29 ^c
85 of 164	Expected	1.00				3.00	2.00	1.00		1.00					1.00	2.00			4.00
	Actual	1.01				2.98	1.97	1.10		1.06					1.00	1.93			3.08 ^c
86 of 164	Expected	3.00				2.00	2.00	1.00		2.00					1.00	1.00			3.00
	Actual	2.85				1.90	2.04	1.04		2.12					1.01	1.00			2.01 ^c
87 of 164	Expected	4.00				2.00	3.00	1.00		2.00					1.00	1.00			1.00
	Actual	3.95				2.07	3.00	0.95		1.82					1.08	0.92			0.86
88 of 164	Expected	5.00				3.00	2.00	1.00		2.00						1.00			1.00
	Actual	4.81				3.00	2.07	0.95		1.94						1.04			0.83
89 of 164	Expected	4.00		1.00		2.00	2.00	1.00		2.00		1.00				1.00			1.00
	Actual	3.84		0.96		2.04	2.00	0.77		2.07		1.03				1.00			0.81
90 of 164	Expected	5.00		1.00		2.00	3.00			2.00	1.00	1.00							
	Actual	4.83		0.95		1.94	2.97			2.00	0.91	1.10							
91 of 164	Expected	3.00	1.00	1.00		2.00	3.00			2.00	1.00	1.00			1.00				
	Actual	2.88	1.01	0.80		1.85	2.95			2.00	0.78	1.11			1.01				
92 of 164	Expected	2.00	1.00	1.00		2.00	3.00	1.00		1.00	1.00	1.00			2.00				
	Actual	1.81	1.04	0.96		1.90	3.01	0.98		1.05	0.94	1.00			1.90				
93 of 164	Expected	1.00	1.00	1.00	1.00		3.00	1.00		2.00	2.00	1.00			2.00				
	Actual	0.82	1.01	0.96	0.25 ^a		2.82	1.14		2.00	1.83	0.80			1.81				
94 of 164	Expected	1.00	2.00		1.00		2.00	1.00		3.00	3.00				2.00				
	Actual	0.93	2.02		0.17 ^a		2.01	1.07		3.00	2.76				1.92				
95 of 164	Expected		2.00	1.00	1.00		1.00	1.00		3.00	3.00	1.00			2.00				
	Actual		1.89	1.03	0.22 ^a		0.96	0.98		2.82	3.02	1.00			1.80				
96 of 164	Expected		2.00	1.00	1.00		1.00	1.00		4.00	3.00	1.00			1.00				
	Actual		1.94	0.91	0.23 ^a		1.04	1.04		4.08	2.87	1.00			1.04				
97 of 164	Expected		2.00	1.00	1.00		1.00			4.00	4.00	1.00							1.00
	Actual		1.97	1.00	0.20 ^a		1.06			3.78	4.07	1.08							1.09
98 of 164	Expected		2.00	1.00			1.00			3.00	3.00	1.00			2.00			1.00	1.00
	Actual		1.79	0.90			1.02			2.78	2.88	1.00			1.97			1.20	1.03
99 of 164	Expected		1.00	1.00	1.00		1.00			3.00	2.00	1.00			2.00	1.00		1.00	1.00
	Actual		0.84	0.94	0.35 ^a		1.10			2.88	1.95	0.84			1.85	1.05		1.04	1.00
100 of 164	Expected	2.00	1.00		1.00		1.00			3.00	1.00		1.00		2.00	1.00		1.00	1.00
	Actual	1.91	0.87		0.39 ^a		1.00			2.88	0.94		0.96		1.77	1.00		0.99	0.85

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)
101 of 164	Expected	2.00			1.00		1.00			1.00	1.00		2.00		2.00	3.00		1.00	1.00
	Actual	2.13			0.59 ^a		1.00			1.12	0.88		1.88		1.88	2.95		0.90	0.78
102 of 164	Expected	2.00			1.00				1.00	1.00	1.00		2.00	1.00	2.00	3.00		1.00	
	Actual	2.00			0.36 ^a				0.95	0.78	0.91		2.07	1.12	1.78	2.99		0.83	
103 of 164	Expected	3.00			1.00	1.00			1.00	1.00	1.00		2.00	1.00		4.00			
	Actual	2.94			0.33 ^a	1.08			0.99	0.81	0.88		2.05	1.07		4.00			
104 of 164	Expected	3.00				1.00	1.00	1.00	1.00	1.00	1.00		2.00	1.00		3.00			
	Actual	2.85				1.01	1.00	1.08	0.91	0.96	0.80		1.98	0.98		3.00			
105 of 164	Expected	1.00				1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00		5.00			1.00
	Actual	0.90				1.00	1.02	1.04	1.08	0.87	0.79		0.90	0.88		4.80			0.80
106 of 164	Expected	1.00				2.00	1.00	1.00	1.00	2.00	1.00			1.00		3.00			2.00
	Actual	0.94				2.04	1.06	1.08	0.86	2.00	0.97			0.94		2.84			2.06
107 of 164	Expected	2.00				3.00	1.00	1.00		2.00						3.00		1.00	2.00
	Actual	2.00				3.03	1.02	1.02		1.94						2.88		0.91	2.01
108 of 164	Expected	1.00		1.00		2.00	2.00	1.00		2.00						3.00		1.00	2.00
	Actual	1.05		0.95		2.00	1.96	0.77		1.85						2.98		1.09	1.92
109 of 164	Expected	1.00		1.00	1.00	2.00	2.00			1.00				1.00		3.00		1.00	2.00
	Actual	0.98		1.00	0.47 ^a	1.95	2.04			0.99				1.07		3.00		0.90	1.81
110 of 164	Expected	1.00		1.00	1.00	2.00	2.00			1.00	1.00			2.00		1.00		1.00	2.00
	Actual	0.97		0.93	1.02 ^a	1.85	2.00			0.96	0.83			2.10		0.98		1.11	1.91
111 of 164	Expected	2.00		1.00	1.00	2.00	2.00				1.00	1.00		2.00		1.00		1.00	1.00
	Actual	1.94		0.79	0.29 ^a	1.78	1.99				0.88	1.10		1.90		1.00		1.15	0.75
112 of 164	Expected	2.00		2.00	1.00	1.00	2.00				1.00	1.00		2.00		1.00		2.00	
	Actual	1.98		1.95	0.39 ^a	1.02	2.00				0.79	0.80		2.11		0.96		2.02	
113 of 164	Expected	2.00		1.00	1.00	2.00	1.00				1.00	2.00		2.00		1.00		2.00	
	Actual	1.95		1.00	0.58 ^a	2.13	0.95				0.83	2.01		1.96		1.05		1.89	
114 of 164	Expected	2.00		1.00		2.00				1.00	1.00	2.00		2.00		2.00			2.00
	Actual	1.91		1.00		2.05				1.01	0.96	2.05		1.98		2.07			1.89
115 of 164	Expected	2.00	1.00	1.00		2.00	1.00			1.00		2.00		1.00		2.00			2.00
	Actual	2.03	0.98	1.00		2.00	0.90			0.97		1.96		1.01		1.95			1.88
116 of 164	Expected	1.00	1.00	1.00		1.00	1.00		1.00	2.00		1.00		1.00		3.00			2.00
	Actual	0.95	0.94	0.94		1.07	0.98		0.97	2.00		0.99		0.98		2.99			2.00
117 of 164	Expected	1.00	1.00	1.00		1.00	1.00		1.00	2.00		1.00		2.00		3.00			1.00
	Actual	1.06	0.82	0.96		0.91	0.90		0.88	1.97		0.87		1.99		3.00			0.90
118 of 164	Expected	1.00	1.00	1.00			1.00		2.00	2.00				2.00		3.00			2.00
	Actual	1.06	0.81	0.98			0.83		1.18 ^c	2.10				2.11		3.00			1.42 ^c
119 of 164	Expected	1.00	1.00	1.00		1.00	1.00		2.00	1.00				1.00	1.00	3.00			2.00
	Actual	1.00	1.08	0.85		1.00	0.94		1.14 ^c	1.00				1.01	0.86	2.82			1.28 ^c
120 of 164	Expected	1.00		2.00		2.00			2.00	1.00				1.00	2.00	3.00			1.00
	Actual	0.84		1.88		1.84			1.48 ^c	1.10				0.88	2.01	3.00			0.46 ^c
121 of 164	Expected	1.00		2.00		2.00			1.00		1.00	2.00		1.00	2.00	2.00			1.00
	Actual	0.84		2.00		2.09			0.57 ^c		0.92	1.94		0.95	1.96	1.92			0.46 ^c
122 of 164	Expected			1.00		3.00			1.00	2.00	1.00	2.00			2.00	2.00			1.00
	Actual			1.00		2.78			0.42 ^c	2.00	1.02	1.91			1.78	1.79			0.41 ^c
123 of 164	Expected			2.00		3.00				2.00	1.00	2.00		2.00	2.00	1.00			
	Actual			1.93		2.92				2.00	0.87	1.98		2.07	1.95	0.83			
124 of 164	Expected			3.00		2.00	1.00			2.00	1.00	2.00	1.00	2.00	1.00				
	Actual			3.00		1.95	1.10			1.88	0.87	1.95	1.09	2.05	0.84				
125 of 164	Expected			2.00		1.00	1.00		1.00	2.00	1.00	2.00	1.00	2.00	1.00			1.00	
	Actual			1.87		1.00	1.06		0.83	1.91	0.94	1.93	1.01	1.98	0.83			1.09	

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)
126 of 164	Expected			2.00		1.00	2.00		2.00	2.00			1.00	2.00	1.00			1.00	1.00
	Actual			1.79		0.99	2.07		1.32 ^c	1.89			0.81	2.00	0.78			1.09	0.60 ^c
127 of 164	Expected			2.00		1.00	3.00		2.00				1.00	2.00	1.00			1.00	2.00
	Actual			1.89		0.89	3.00		1.35 ^c				0.91	1.91	0.84			1.10	1.35 ^c
128 of 164	Expected			1.00		1.00	3.00		3.00		2.00		1.00		1.00			1.00	2.00
	Actual			0.91		1.11	3.01		2.40 ^c		1.85		0.91		0.82			1.07	1.50 ^c
129 of 164	Expected					1.00	2.00	2.00	3.00		2.00				1.00	1.00		1.00	2.00
	Actual					1.00	1.84	1.93	2.24 ^c		1.81				0.89	1.10		0.78	1.42 ^c
130 of 164	Expected		1.00			1.00	2.00	3.00	2.00		2.00					1.00	1.00		2.00
	Actual		0.94			1.03	1.96	3.91	1.70 ^c		2.00					0.95	0.00 ^b		1.56 ^c
131 of 164	Expected		1.00			1.00	2.00	3.00	1.00		2.00				2.00	1.00	1.00		1.00
	Actual		1.06			1.10	1.94	2.94	1.00		1.94				1.89	1.12	0.00 ^b		1.00
132 of 164	Expected		1.00				2.00	3.00	2.00		2.00				2.00	2.00	1.00		
	Actual		0.99				1.87	2.87	1.90		1.92				2.01	2.00	0.00 ^b		
133 of 164	Expected	1.00	1.00				2.00	3.00	1.00		1.00		1.00		2.00	2.00	1.00		
	Actual	1.04	1.00				1.80	2.86	1.11		1.01		0.99		2.00	1.88	0.00 ^b		
134 of 164	Expected	2.00	1.00			1.00	2.00	1.00	1.00		1.00		1.00		2.00	2.00	1.00		
	Actual	2.02	0.95			0.97	1.88	0.99	1.00		0.88		0.87		1.96	2.08	0.00 ^b		
135 of 164	Expected	2.00	1.00			1.00	3.00		1.00		1.00		1.00		2.00	2.00			1.00
	Actual	2.00	0.77			1.02	3.01		0.91		0.79		0.77		1.90	1.83			0.87
136 of 164	Expected	3.00	2.00			1.00	2.00		1.00		2.00		1.00			2.00			1.00
	Actual	2.93	1.91			1.02	2.02		0.93		1.87		0.91			2.00			0.91
137 of 164	Expected	4.00	2.00			1.00	1.00				2.00	1.00	1.00			1.00			2.00
	Actual	3.81	1.89			1.00	1.06				2.07	1.09	0.86			0.97			1.84
138 of 164	Expected	3.00	2.00	1.00		1.00	2.00			1.00	1.00	1.00				1.00			2.00
	Actual	2.96	1.87	1.02		0.82	2.02			0.80	0.93	1.04				1.00			1.85
139 of 164	Expected	3.00	2.00	1.00			2.00			1.00	1.00	1.00				1.00	1.00		2.00
	Actual	3.07	1.86	1.00			2.03			0.89	1.04	1.04				0.97	0.00 ^b		1.87
140 of 164	Expected	3.00	1.00	2.00			2.00			1.00	1.00	1.00	1.00			1.00	1.00		1.00
	Actual	2.97	0.94	1.99			2.00			0.82	0.98	1.10	0.94			1.05	0.00 ^b		1.07
141 of 164	Expected	2.00		2.00			3.00			1.00		1.00	1.00		1.00	1.00	1.00		2.00
	Actual	2.13		2.00			2.91			1.99		1.95	0.86		0.97	1.03	0.00 ^b		2.04
142 of 164	Expected	2.00		2.00			4.00			2.00			1.00		1.00	1.00	1.00		1.00
	Actual	2.02		2.00			3.92			1.85			0.85		1.05	0.97	0.00 ^b		1.06
143 of 164	Expected	2.00		2.00			3.00			2.00			1.00		2.00	1.00	1.00		1.00
	Actual	2.03		1.92			3.00			1.96			0.87		2.02	0.86	0.00 ^b		1.07
144 of 164	Expected	1.00		2.00			5.00			2.00	1.00		1.00		2.00				1.00
	Actual	1.03		1.90			5.01			1.86	0.94		0.85		1.95				1.04
145 of 164	Expected	1.00		1.00		1.00	4.00	1.00	1.00	2.00	1.00				2.00				1.00
	Actual	1.13		1.00		1.03	3.85	0.80	0.87	1.97	1.00				1.93				1.08
146 of 164	Expected	1.00		1.00		1.00	4.00	1.00	2.00	2.00	1.00		1.00		1.00				
	Actual	1.07		1.00		1.11	3.98	0.92	1.94	2.04	1.02		0.85		0.93				
147 of 164	Expected	2.00		1.00		1.00	3.00	1.00	2.00	1.00	1.00		2.00		1.00				
	Actual	2.04		1.00		1.00	2.91	0.88	1.84	1.07	0.98		1.88		1.00				
148 of 164	Expected	2.00				1.00	3.00	1.00	2.00	1.00	2.00		2.00		1.00				
	Actual	1.89				1.04	2.88	0.82	1.90	0.83	1.87		1.82		1.00				
149 of 164	Expected	2.00				1.00	3.00	1.00	2.00	1.00	1.00		3.00		1.00				
	Actual	2.00				0.97	3.01	0.87	1.93	0.80	1.01		2.95		0.98				
150 of 164	Expected	2.00					3.00		1.00	1.00	1.00	1.00	3.00		2.00		1.00		
	Actual	2.00					3.05		0.88	0.85	0.91	1.01	2.99		1.80		0.00 ^b		

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)
151 of 164	Expected	2.00				1.00	2.00			1.00	1.00	1.00	3.00		3.00		1.00		
	Actual	1.89				0.97	2.00			0.78	0.99	1.06	2.75		3.09		0.00 ^b		
152 of 164	Expected					1.00	2.00		2.00	2.00	1.00	1.00	2.00		3.00		1.00		
	Actual					1.04	1.91		1.89	1.76	0.88	0.91	1.88		3.00		0.00 ^b		
153 of 164	Expected					1.00	3.00		2.00	2.00		1.00	2.00		2.00	1.00	1.00		
	Actual					1.07	3.00		2.09	2.01		1.06	2.14		1.94	0.89	0.00 ^b		
154 of 164	Expected					1.00	1.00		2.00	3.00		2.00	1.00		2.00	1.00	2.00		
	Actual					0.98	0.95		1.93	2.85		2.10	0.85		1.86	1.00	0.00 ^b		
155 of 164	Expected					1.00	2.00		2.00	5.00		1.00	1.00		1.00	1.00	1.00		
	Actual					1.06	1.88		1.88	4.85		1.03	1.00		0.98	0.81	0.00 ^b		
156 of 164	Expected			1.00			2.00		2.00	5.00	1.00	1.00				2.00	1.00		
	Actual			0.98			1.87		1.00	4.85	1.00	1.06				1.80	0.00 ^b		
157 of 164	Expected			2.00			3.00			4.00	1.00	1.00			1.00	2.00	1.00		
	Actual			1.94			2.86			4.00	1.03	1.09			1.03	1.78	0.00 ^b		
158 of 164	Expected			2.00			2.00		1.00	4.00	1.00	1.00			2.00	1.00	1.00		
	Actual			2.00			1.86		0.84	4.01	1.09	1.05			2.01	0.82	0.00 ^b		
159 of 164	Expected			2.00	1.00		2.00		1.00	4.00	1.00	1.00			2.00	1.00			
	Actual			1.86	0.36 ^a		1.83		0.87	3.95	1.01	1.04			2.00	0.83			
160 of 164	Expected	1.00		2.00	1.00		2.00		1.00	3.00	1.00	1.00			2.00	1.00			
	Actual	0.97		1.91	0.37 ^a		2.00		0.86	3.01	0.82	1.04			1.96	0.91			
161 of 164	Expected	1.00		1.00	1.00		3.00		1.00	4.00		1.00			2.00				1.00
	Actual	0.93		0.88	0.30 ^a		2.97		0.89	4.00		1.00			1.84				0.78
162 of 164	Expected	1.00			1.00		2.00		2.00	5.00		1.00	1.00		1.00				1.00
	Actual	1.04			0.35 ^a		2.01		1.87	4.90		1.00	0.96		1.01				1.08
163 of 164	Expected	2.00			1.00		2.00		1.00	4.00		1.00	1.00		1.00	1.00			1.00
	Actual	1.97			0.31 ^a		1.77		0.87	3.92		1.10	0.88		0.91	1.00			0.88
164 of 164	Expected	3.00					2.00		1.00	3.00			1.00		2.00	1.00			2.00
	Actual	3.06					1.94		0.82	2.99			0.79		2.02	0.98			2.00

^aCys was partially destroyed during hydrolysis.

^bTrp was completely destroyed during hydrolysis.

^cVal-Ile, Val-Val, Ile-Ile and/or Ile-Val bonds were only partially destroyed during hydrolysis.

Table 3

Peptide	Sequence	Solubility	Solvent
1 of 164	1-IRCIGVSNRDFVEGM-15	1 mg/mL	50% acetic acid in water
2 of 164	4-IGVSNRDFVEGMSGG-18	1 mg/mL	Water
3 of 164	7-SNRDFVEGMSGGTWV-21	1 mg/mL	50% acetic acid in water
4 of 164	10-DFVEGMSGGTWVDV-24	1 mg/mL	100% DMSO
5 of 164	13-EGMSGGTWVDVLEH-27	1 mg/mL	50% acetic acid in water
6 of 164	16-SGGTWVDVLEHGGC-30	1 mg/mL	50% acetic acid in water
7 of 164	19-TWVDVLEHGGCVTV-33	1 mg/mL	50% acetic acid in water
8 of 164	22-DVVLEHGGCVTVMAQ-36	1 mg/mL	50% acetic acid in water
9 of 164	25-LEHGGCVTVMAQDKP-39	1 mg/mL	100% DMSO
10 of 164	28-GGCVTVMQDKPTVD-42	1 mg/mL	50% acetic acid in water

Table 3			
Peptide	Sequence	Solubility	Solvent
11 of 164	31-VTVMAQDKPTVDIEL-45	1 mg/mL	Water
12 of 164	34-MAQDKPTVDIELVTT-48	1 mg/mL	Water
13 of 164	37-DKPTVDIELVTTTVS-51	1 mg/mL	Water
14 of 164	40-TVDIELVTTTVSNMA-54	1 mg/mL	100% DMSO
15 of 164	43-IELVTTTVSNMAEVR-57	1 mg/mL	50% acetic acid in water
16 of 164	46-VTTTVSNMAEVRSYC-60	1 mg/mL	100% DMSO
17 of 164	49-TVSNMAEVRSYCYEA-63	1 mg/mL	70% acetonitrile in water
18 of 164	52-NMAEVRSYCYEASIS-66	1 mg/mL	100% DMSO
19 of 164	55-EVRSYCYEASISDMA-69	1 mg/mL	70% acetonitrile in water
20 of 164	58-SYCYEASISDMASDS-72	1 mg/mL	70% acetonitrile in water
21 of 164	61-YEASISDMASDSRCP-75	1 mg/mL	100% DMSO
22 of 164	64-SISDMASDSRCPQG-78	1 mg/mL	70% acetonitrile in water
23 of 164	67-DMASDSRCPQGEAY-81	1 mg/mL	100% DMSO
24 of 164	70-SDSRCPTQGEAYLDK-84	1 mg/mL	70% acetonitrile in water
25 of 164	73-RCPTQGEAYLDKQSD-87	1 mg/mL	70% acetonitrile in water
26 of 164	76-TQGEAYLDKQSDTQY-90	1 mg/mL	70% acetonitrile in water
27 of 164	79-EAYLDKQSDTQYVCK-93	1 mg/mL	70% acetonitrile in water
28 of 164	82-LDKQSDTQYVCKRTL-96	1 mg/mL	100% DMSO
29 of 164	85-QSDTQYVCKRTLVD-99	1 mg/mL	Water
30 of 164	88-TQYVCKRTLVD-102	1 mg/mL	100% DMSO
31 of 164	91-VCKRTLVD-105	1 mg/mL	100% DMSO
32 of 164	94-RTLVD-108	1 mg/mL	100% DMSO
33 of 164	97-VDRGW-111	1 mg/mL	Water
34 of 164	100-GW-114	1 mg/mL	70% acetonitrile in water
35 of 164	103-NGCGLFGKSLV-117	1 mg/mL	100% DMSO
36 of 164	106-GLFGKSLV-120	1 mg/mL	100% DMSO
37 of 164	109-GKSLV-123	1 mg/mL	Water
38 of 164	112-SLV-126	1 mg/mL	Water
39 of 164	115-TCAK-129	1 mg/mL	Water
40 of 164	118-KFACSK-132	1 mg/mL	100% DMSO
41 of 164	121-CSKK-135	1 mg/mL	100% DMSO
42 of 164	124-KMTGKSIQ-138	1 mg/mL	70% acetonitrile in water
43 of 164	127-GKSIQ-141	1 mg/mL	Water
44 of 164	130-IQ-144	1 mg/mL	70% acetonitrile in water
45 of 164	133-ENLE-147	1 mg/mL	100% DMSO
46 of 164	136-EYR-150	1 mg/mL	100% DMSO
47 of 164	139-IM-153	1 mg/mL	100% DMSO
48 of 164	142-SV-156	1 mg/mL	70% acetonitrile in water
49 of 164	145-GSQ-159	1 mg/mL	70% acetonitrile in water
50 of 164	148-HSG-162	1 mg/mL	70% acetonitrile in water
51 of 164	151-MIV-165	1 mg/mL	70% acetonitrile in water
52 of 164	154-NDT-168	1 mg/mL	Water
53 of 164	157-GHET-171	1 mg/mL	70% acetonitrile in water
54 of 164	160-TDEN-174	1 mg/mL	70% acetonitrile in water

Table 3			
Peptide	Sequence	Solubility	Solvent
55 of 164	163-NRAKVEITPNSPRAE-177	1 mg/mL	70% acetonitrile in water
56 of 164	166-KVEITPNSPRAEATL-180	1 mg/mL	70% acetonitrile in water
57 of 164	169-ITPNSPRAEATLGGF-183	1 mg/mL	70% acetonitrile in water
58 of 164	172-NSPRAEATLGGFGSL-186	1 mg/mL	100% DMSO
59 of 164	175-RAEATLGGFGSLGLD-189	1 mg/mL	100% DMSO
60 of 164	178-ATLGGFGSLGLDCEP-192	1 mg/mL	70% acetonitrile in water
61 of 164	181-GGFGSLGLDCEPRTG-195	1 mg/mL	70% acetonitrile in water
62 of 164	184-GSLGLDCEPRTGLDF-198	1 mg/mL	70% acetonitrile in water
63 of 164	187-GLDCEPRTGLDFSDL-201	1 mg/mL	100% DMSO
64 of 164	190-CEPRTGLDFSDLYYL-204	1 mg/mL	100% DMSO
65 of 164	193-RTGLDFSDLYYLTMN-207	1 mg/mL	100% DMSO
66 of 164	196-LDFSDLYYLTMNNKH-210	1 mg/mL	70% acetonitrile in water
67 of 164	199-SDLYYLTMNNKHVLV-213	1 mg/mL	Water
68 of 164	202-YYLTMNNKHVLVHKE-216	1 mg/mL	70% acetonitrile in water
69 of 164	205-TMNNKHVLVHKEWFH-219	1 mg/mL	70% acetonitrile in water
70 of 164	208-NKHVLVHKEWFHDIP-222	1 mg/mL	70% acetonitrile in water
71 of 164	211-WLVHKEWFHDIPW-225	1 mg/mL	50% acetic acid in water
72 of 164	214-HKEWFHDIPWHAG-228	1 mg/mL	Water
73 of 164	217-WFHDIPWHAGADT-231	1 mg/mL	70% acetonitrile in water
74 of 164	220-DIPLWHAGADTGTP-234	1 mg/mL	70% acetonitrile in water
75 of 164	223-LPWHAGADTGTPHWN-237	1 mg/mL	70% acetonitrile in water
76 of 164	226-HAGADTGTPHWNKE-240	1 mg/mL	70% acetonitrile in water
77 of 164	229-ADTGTPHWNKEALV-243	1 mg/mL	70% acetonitrile in water
78 of 164	232-GTPHWNKEALVEFK-246	1 mg/mL	70% acetonitrile in water
79 of 164	235-HWNNKEALVEFKDAH-249	1 mg/mL	70% acetonitrile in water
80 of 164	238-NKEALVEFKDAHAKR-252	1 mg/mL	Water
81 of 164	241-ALVEFKDAHAKRQTV-255	1 mg/mL	70% acetonitrile in water
82 of 164	244-EFKDAHAKRQTVVVL-258	1 mg/mL	Water
83 of 164	247-DAHAKRQTVVVLGSQ-261	1 mg/mL	100% DMSO
84 of 164	250-AKRQTVVVLGSQEGA-264	1 mg/mL	100% DMSO
85 of 164	253-QTVVVLGSQEGAVHT-267	1 mg/mL	100% DMSO
86 of 164	256-VVLGSQEGAVHTALA-270	1 mg/mL	100% DMSO
87 of 164	259-GSQEGAVHTALAGAL-273	1 mg/mL	100% DMSO
88 of 164	262-EGAVHTALAGALEAE-276	1 mg/mL	70% acetonitrile in water
89 of 164	265-VHTALAGALEAEMDG-279	1 mg/mL	100% DMSO
90 of 164	268-ALAGALEAEMDGAKG-282	1 mg/mL	100% DMSO
91 of 164	271-GALEAEMDGAKGRSL-285	1 mg/mL	100% DMSO
92 of 164	274-EAEMDGAKGRLSSGH-288	1 mg/mL	70% acetonitrile in water
93 of 164	277-MDGAKGRLSSGHLKC-291	1 mg/mL	70% acetonitrile in water
94 of 164	280-AKGRLSSGHLKCRLK-294	1 mg/mL	70% acetonitrile in water
95 of 164	283-RLSSGHLKCRLKMDK-297	1 mg/mL	70% acetonitrile in water
96 of 164	286-SGHLKCRLKMDKLRL-300	1 mg/mL	70% acetonitrile in water
97 of 164	289-LKCRLKMDKLRLKGV-303	1 mg/mL	70% acetonitrile in water
98 of 164	292-RLKMDKLRLKGVSY-306	1 mg/mL	70% acetonitrile in water

Table 3			
Peptide	Sequence	Solubility	Solvent
99 of 164	295-MDKLRLKGVSYSLCT-309	1 mg/mL	70% acetonitrile in water
100 of 164	298-LRLKGVSYSLCTAAF-312	1 mg/mL	70% acetonitrile in water
101 of 164	301-KGVSYSLCTAAFTFT-315	1 mg/mL	100% DMSO
102 of 164	304-SYSLCTAAFTFTKIP-318	1 mg/mL	100% DMSO
103 of 164	307-LCTAAFTFTKIPAET-321	1 mg/mL	50% acetic acid in water
104 of 164	310-AAFTFTKIPAETLHG-324	1 mg/mL	70% acetonitrile in water
105 of 164	313-TFTKIPAETLHGTVT-327	1 mg/mL	Water
106 of 164	316-KIPAETLHGTVTVEL-330	1 mg/mL	Water
107 of 164	319-AETLHGTVTVELQYA-333	1 mg/mL	100% DMSO
108 of 164	322-LHGTVTVELQYAGTD-336	1 mg/mL	100% DMSO
109 of 164	325-TVTVELQYAGTDGPC-339	1 mg/mL	50% acetic acid in water
110 of 164	328-VELQYAGTDGPCKVP-342	1 mg/mL	Water
111 of 164	331-QYAGTDGPCKVPAQM-345	1 mg/mL	100% DMSO
112 of 164	334-GTDGPCKVPAQMAVD-348	1 mg/mL	Water
113 of 164	337-GPCKVPAQMAVDMQT-351	1 mg/mL	Water
114 of 164	340-KVPAQMAVDMQTLTP-354	1 mg/mL	70% acetonitrile in water
115 of 164	343-AQMAVDMQTLTPVGR-357	1 mg/mL	100% DMSO
116 of 164	346-AVDMQTLTPVGRGLIT-360	1 mg/mL	70% acetonitrile in water
117 of 164	349-MQTLTPVGRGLITANP-363	1 mg/mL	70% acetonitrile in water
118 of 164	352-LTPVGRGLITANPVIT-366	1 mg/mL	70% acetonitrile in water
119 of 164	355-VGRGLITANPVITEST-369	1 mg/mL	70% acetonitrile in water
120 of 164	358-LITANPVITESTENS-372	1 mg/mL	100% DMSO
121 of 164	361-ANPVITESTENSKMM-375	1 mg/mL	100% DMSO
122 of 164	364-VITESTENSKMMLEL-378	1 mg/mL	100% DMSO
123 of 164	367-ESTENSKMMLELDPP-381	1 mg/mL	100% DMSO
124 of 164	370-ENSKMMLELDPPFGD-384	1 mg/mL	100% DMSO
125 of 164	373-KMMLELDPPFGDSYI-387	1 mg/mL	70% acetonitrile in water
126 of 164	376-LELDPPFGDSYIVIG-390	1 mg/mL	70% acetonitrile in water
127 of 164	379-DPPFGDSYIVIGVGE-393	1 mg/mL	100% DMSO
128 of 164	382-FGDSYIVIGVGEKKI-396	1 mg/mL	70% acetonitrile in water
129 of 164	385-SYIVIGVGEKKITHH-399	1 mg/mL	Water
130 of 164	388-VIGVGEKKITHHWHR-402	1 mg/mL	Water
131 of 164	391-VGEKKITHHWHRSGS-405	1 mg/mL	70% acetonitrile in water
132 of 164	394-KKITHHWHRSGSTIG-408	1 mg/mL	70% acetonitrile in water
133 of 164	397-THHWHRSGSTIGKAF-411	1 mg/mL	Water
134 of 164	400-WHRSGSTIGKAFEAT-414	1 mg/mL	100% DMSO
135 of 164	403-SGSTIGKAFEATVRG-417	1 mg/mL	100% DMSO
136 of 164	406-TIGKAFEATVRGAKR-420	1 mg/mL	70% acetonitrile in water
137 of 164	409-KAFEATVRGAKRMAV-423	1 mg/mL	70% acetonitrile in water
138 of 164	412-EATVRGAKRMAVLGD-426	1 mg/mL	70% acetonitrile in water
139 of 164	415-VRGAKRMAVLGDTAW-429	1 mg/mL	100% DMSO
140 of 164	418-AKRMAVLGDTAWDFG-432	1 mg/mL	100% DMSO
141 of 164	421-MAVLGDTAWDFGSVG-435	1 mg/mL	100% DMSO
142 of 164	424-LGDTAWDFGSVG GAL-438	1 mg/mL	100% DMSO

Table 3			
Peptide	Sequence	Solubility	Solvent
143 of 164	427-TAWDFGSVGGALNSL-441	1 mg/mL	100% DMSO
144 of 164	430-DFGSVGGALNSLGKG-444	1 mg/mL	70% acetonitrile in water
145 of 164	433-SVGGALNSLGKGIHQ-447	1 mg/mL	70% acetonitrile in water
146 of 164	436-GALNSLGKGIHQIFG-450	1 mg/mL	70% acetonitrile in water
147 of 164	439-NSLGKGIHQIFGAAF-453	1 mg/mL	70% acetonitrile in water
148 of 164	442-GKGIHQIFGAAFKSL-456	1 mg/mL	100% DMSO
149 of 164	445-IHQIFGAAFKSLFGG-459	1 mg/mL	70% acetonitrile in water
150 of 164	448-IFGAAFKSLFGGMSW-462	1 mg/mL	100% DMSO
151 of 164	451-AAFKSLFGGMSWFSSQ-465	1 mg/mL	100% DMSO
152 of 164	454-KSLFGGMSWFSSQILI-468	1 mg/mL	100% DMSO
153 of 164	457-FGGMSWFSSQILIGTL-471	1 mg/mL	100% DMSO
154 of 164	460-MSWFSSQILIGTLLMW-474	1 mg/mL	100% DMSO
155 of 164	463-FSQILIGTLLMWLGL-477	1 mg/mL	100% DMSO
156 of 164	466-ILIGTLLMWLGLNTK-480	1 mg/mL	100% DMSO
157 of 164	469-GTLLMWLGLNTKNGS-483	1 mg/mL	70% acetonitrile in water
158 of 164	472-LMWLGLNTKNGSISL-486	1 mg/mL	70% acetonitrile in water
159 of 164	475-LGLNTKNGSISLMCL-489	1 mg/mL	100% DMSO
160 of 164	478-NTKNGSISLMCLALG-492	1 mg/mL	100% DMSO
161 of 164	481-NGSISLMCLALGGVL-495	1 mg/mL	100% DMSO
162 of 164	484-ISLMCLALGGVLIFL-498	1 mg/mL	100% DMSO
163 of 164	487-MCLALGGVLIFLSTA-501	1 mg/mL	100% DMSO
164 of 164	490-ALGGVLIFLSTAVSA-504	2 mg/mL	100% DMSO

Date: 13 JAN 2017

Signature: 

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