

Peptide Array, Zika Virus, PRVABC59 Nonstructural Protein 1

Catalog No. NR-50534

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Product Description: The 114-peptide array spans the nonstructural protein 1 (NS1) of the PRVABC59 strain of Zika virus (GenPept: AMZ03556). Peptides are 13- or 15-mers, with 12 amino acid overlaps.

Lot: P5057-1 to P5057-114

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.

Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
1 of 114	10/27/2016	15	1-GCSVDFSKKETRCGT-15	1617.83	0.14	89.3%	78.0%
2 of 114	10/27/2016	15	4-VDFSKKETRCGTGVF-18	1673.92	0.24	95.2%	78.6%
3 of 114	10/27/2016	15	7-SKKETRCGTGVFVYN-21	1688.93	0.28	92.1%	78.7%
4 of 114	10/27/2016	15	10-ETRCGTGVFVYNDVE-24	1688.84	0.4	94.8%	88.1%
5 of 114	10/27/2016	15	13-CGTGVFVYNDVEAWR-27	1715.91	0.6	81.5%	88.3%
6 of 114	10/27/2016	15	16-GVFVYNDVEAWRDRY-30	1889.05	0.42	80.9%	84.7%
7 of 114	10/27/2016	15	19-VYNDVEAWRDRYKYH-33	2014.18	0.23	90.8%	77.9%
8 of 114	10/27/2016	15	22-DVEAWRDRYKYHPDS-36	1937.06	0.04	83.3%	77.3%
9 of 114	10/27/2016	15	25-AWRDRYKYHPDSPRR-39	2003.21	-0.04	90.0%	71.5%
10 of 114	10/27/2016	15	28-DRYKYHPDSPRRLAA-42	1845.05	0.01	82.5%	73.0%
11 of 114	10/27/2016	15	31-KYHPDSPRRLAAAVK-45	1708.99	0.1	95.4%	71.4%
12 of 114	10/27/2016	15	34-PDSPRRLAAAVKQAW-48	1665.92	0.25	88.4%	78.5%
13 of 114	10/27/2016	15	37-PRRLAAAVKQAWEDG-51	1667.90	0.17	83.5%	78.5%
14 of 114	10/27/2016	15	40-LAAAVKQAWEDGICG-54	1531.76	0.48	91.6%	87.0%
15 of 114	10/27/2016	15	43-AVKQAWEDGICGISS-57	1563.76	0.44	93.8%	87.3%
16 of 114	10/27/2016	15	46-QAWEDGICGISSVSR-60	1607.77	0.41	92.9%	87.6%
17 of 114	10/27/2016	15	49-EDGICGISSVSRMEN-63	1596.77	0.33	89.8%	87.5%
18 of 114	10/27/2016	15	52-ICGISSVSRMENIMW-66	1726.08	0.78	89.5%	88.3%
19 of 114	10/27/2016	15	55-ISSVSRMENIMWRSV-69	1795.12	0.57	92.4%	84.0%
20 of 114	10/27/2016	15	58-VSRMENIMWRSVEGE-72	1823.09	0.37	94.5%	84.2%
21 of 114	10/27/2016	15	61-MENIMWRSVEGELNA-75	1779.04	0.53	88.6%	88.6%
22 of 114	10/27/2016	15	64-IMWRSVEGELNAILE-78	1760.05	0.64	97.1%	88.5%
23 of 114	10/27/2016	15	67-RSVEGELNAILEENG-81	1629.75	0.29	89.4%	87.7%
24 of 114	10/27/2016	15	70-EGELNAILEENGVQL-84	1627.78	0.46	96.7%	87.7%
25 of 114	10/27/2016	15	73-LNAILEENGVQLTVV-87	1611.87	0.72	96.9%	87.6%

Table 1

Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
26 of 114	10/27/2016	15	76-ILEENGVQLTVVVGGS-90	1556.79	0.63	92.1%	87.2%
27 of 114	10/27/2016	15	79-ENGVQLTVVVGSVKN-93	1542.76	0.49	88.8%	87.1%
28 of 114	10/27/2016	15	82-VQLTVVVGSVKNPMW-96	1657.02	0.77	92.0%	87.9%
29 of 114	10/27/2016	15	85-TVVVGSVKNPMWRGP-99	1626.95	0.57	97.5%	82.6%
30 of 114	10/27/2016	15	88-VGSVKNPMWRGPQRL-102	1725.06	0.43	97.0%	79.1%
31 of 114	10/27/2016	15	91-VKNPMWRGPQRLPVP-105	1775.16	0.52	91.2%	79.6%
32 of 114	10/27/2016	15	94-PMWRGPQRLPVPVNE-108	1776.10	0.55	85.3%	83.9%
33 of 114	10/27/2016	15	97-RGPQRLPVPVNELPH-111	1709.00	0.44	87.2%	78.9%
34 of 114	10/27/2016	15	100-QRLPVPVNELPHGWK-114	1770.08	0.54	80.1%	79.5%
35 of 114	10/27/2016	15	103-PVPVNELPHGWKAWG-117	1686.94	0.68	82.8%	83.1%
36 of 114	10/27/2016	15	106-VNELPHGWKAWGKSY-120	1772.00	0.5	88.9%	79.5%
37 of 114	10/27/2016	15	109-LPHGWKAWGKSYFVR-123	1832.14	0.55	81.9%	76.3%
38 of 114	10/27/2016	15	112-GWKAWGKSYFVRAAK-126	1755.06	0.36	85.7%	75.5%
39 of 114	10/27/2016	15	115-AWGKSYFVRAAKTNN-129	1712.93	0.37	82.2%	79.0%
40 of 114	10/27/2016	15	118-KSYFVRAAKTNSFV-132	1731.97	0.4	84.5%	79.2%
41 of 114	10/27/2016	15	121-FVRAAKTNSFVVDG-135	1624.83	0.43	94.3%	82.6%
42 of 114	10/27/2016	15	124-AAKTNSFVVDGDTL-138	1551.68	0.38	91.5%	87.2%
43 of 114	10/27/2016	15	127-TNSFVVDGDTLKEC-141	1641.78	0.4	89.9%	87.8%
44 of 114	10/27/2016	15	130-SFVVDGDTLKECPLK-144	1650.92	0.4	81.6%	82.8%
45 of 114	10/27/2016	15	133-VDGDTLKECPLKHRA-147	1681.94	0.16	84.1%	74.7%
46 of 114	10/27/2016	15	136-DTLKECPLKHRAWNS-150	1798.06	0.32	81.3%	75.9%
47 of 114	10/27/2016	15	139-KECPLKHRAWNSFLV-153	1828.18	0.55	85.6%	76.2%
48 of 114	10/27/2016	15	142-PLKHRAWNSFLVEDH-156	1849.09	0.47	92.1%	76.4%
49 of 114	10/27/2016	15	145-HRAWNSFLVEDHGFG-159	1771.92	0.5	84.8%	79.5%
50 of 114	10/27/2016	15	148-WNSFLVEDHGFGVFH-162	1790.97	0.74	94.5%	84.0%
51 of 114	10/27/2016	15	151-FLVEDHGFGVFHTSV-165	1690.89	0.65	95.5%	83.2%
52 of 114	10/27/2016	15	154-EDHGFGVFHTSVWLK-168	1758.96	0.54	97.5%	79.4%
53 of 114	10/27/2016	15	157-GFGVFHTSVWLKVRE-171	1762.05	0.59	94.3%	79.4%
54 of 114	10/27/2016	15	160-VFHTSVWLKVREDYS-174	1866.11	0.48	85.9%	80.4%
55 of 114	10/27/2016	15	163-TSVWLKVREDYSLEC-177	1828.08	0.45	88.5%	84.2%
56 of 114	10/27/2016	15	166-WLKVREDYSLECDPA-180	1824.05	0.37	82.9%	84.2%
57 of 114	10/27/2016	15	169-VREDYSLECDPAVIG-183	1665.84	0.37	84.0%	88.0%
58 of 114	10/27/2016	15	172-DYSLECDPAVIGTAV-186	1552.72	0.52	82.2%	87.2%
59 of 114	10/27/2016	15	175-LECDPAVIGTAVKKG-189	1500.79	0.38	84.1%	81.4%
60 of 114	10/27/2016	15	178-DPAVIGTAVKKGKEAV-192	1454.70	0.27	86.2%	81.0%
61 of 114	10/27/2016	15	181-VIGTAVKKGKEAVHSD-195	1510.72	0.2	81.5%	76.8%
62 of 114	10/27/2016	15	184-TAVKKGKEAVHSDLGY-198	1574.76	0.18	86.5%	77.5%
63 of 114	10/27/2016	15	187-KGKEAVHSDLGYWIE-201	1731.93	0.29	95.7%	79.2%
64 of 114	10/27/2016	15	190-EAVHSDLGYWIESEK-204	1762.90	0.31	83.4%	83.8%
65 of 114	10/27/2016	15	193-HSDLGYWIESEKNDT-207	1793.87	0.25	97.6%	84.0%
66 of 114	10/27/2016	15	196-LGYWIESEKNDTWRL-210	1910.12	0.5	94.0%	84.8%
67 of 114	10/27/2016	15	199-WIESEKNDTWRLKRA-213	1932.18	0.21	82.8%	77.2%
68 of 114	10/27/2016	15	202-SEKNDTWRLKRAHLI-216	1867.15	0.22	84.6%	73.2%
69 of 114	10/27/2016	15	205-NDTWRLKRAHLIEMK-219	1911.27	0.3	81.5%	73.6%
70 of 114	10/27/2016	15	208-WRLKRAHLIEMKTCE-222	1914.34	0.38	96.5%	73.7%

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Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
71 of 114	10/27/2016	15	211-KRAHLIEMKTCEWPK-225	1870.28	0.31	90.4%	73.2%
72 of 114	10/27/2016	15	214-HLIEMKTCEWPKSHT-228	1840.16	0.45	97.7%	76.4%
73 of 114	10/27/2016	15	217-EMKTCEWPKSHTLWT-231	1877.18	0.49	80.1%	80.5%
74 of 114	10/27/2016	15	220-TCEWPKSHTLWTDGI-234	1773.99	0.58	93.9%	83.8%
75 of 114	10/27/2016	15	223-WPKSHTLWTDGIEES-237	1785.94	0.42	85.1%	83.9%
76 of 114	10/27/2016	15	226-SHTLWTDGIEESDLI-240	1715.84	0.47	85.8%	88.3%
77 of 114	10/27/2016	15	229-LWTDGIEESDLIIPK-243	1728.97	0.55	82.0%	88.3%
78 of 114	10/27/2016	15	232-DGIEESDLIIPKSLA-246	1599.81	0.4	83.3%	87.5%
79 of 114	10/27/2016	15	235-EESDLIIPKSLAGPL-249	1581.84	0.49	89.1%	87.4%
80 of 114	10/27/2016	15	238-DLIIPKSLAGPLSHH-252	1597.89	0.59	93.2%	77.8%
81 of 114	10/27/2016	15	241-IPKSLAGPLSHHNTR-255	1627.88	0.4	91.3%	74.1%
82 of 114	10/27/2016	15	244-SLAGPLSHHNTRREGY-258	1638.76	0.32	81.9%	78.2%
83 of 114	10/27/2016	15	247-GPLSHHNTRREGYRTQ-261	1752.87	0.12	94.1%	75.5%
84 of 114	10/27/2016	15	250-SHHNTRREGYRTQMKG-264	1801.97	-0.02	81.1%	72.5%
85 of 114	10/27/2016	15	253-NTREGYRTQMKGPPWH-267	1861.08	0.17	97.7%	76.6%
86 of 114	10/27/2016	15	256-EGYRTQMKGPPWHSEE-270	1834.99	0.09	83.6%	80.1%
87 of 114	10/27/2016	15	259-RTQMKGPPWHSEELEI-273	1841.09	0.26	89.0%	80.1%
88 of 114	10/27/2016	15	262-MKGPWHSEELEIRFE-276	1888.14	0.33	80.1%	80.5%
89 of 114	10/27/2016	15	265-PWHSEELEIRFEECP-279	1901.10	0.43	86.9%	84.8%
90 of 114	10/27/2016	15	268-SEELEIRFEECPGTK-282	1766.96	0.17	83.0%	83.8%
91 of 114	10/27/2016	15	271-LEIRFEECPGTKVHV-285	1757.05	0.43	91.9%	79.4%
92 of 114	10/27/2016	15	274-RFEECPGTKVHVEET-288	1760.95	0.17	93.6%	79.4%
93 of 114	10/27/2016	15	277-ECPGTKVHVEETCGT-291	1589.77	0.28	96.0%	82.3%
94 of 114	10/27/2016	15	280-GTKVHVEETCGTRGP-294	1570.75	0.16	88.1%	77.5%
95 of 114	10/27/2016	15	283-VHVEETCGTRGPSLR-297	1640.85	0.25	81.6%	78.3%
96 of 114	10/27/2016	15	286-EETCGTRGPSLRSTT-300	1594.73	0.11	88.1%	82.3%
97 of 114	10/27/2016	15	289-CGTRGPSLRSTTASG-303	1450.60	0.19	83.2%	80.9%
98 of 114	10/27/2016	15	292-RGPSLRSTTASGRVI-306	1557.78	0.21	94.1%	77.4%
99 of 114	10/27/2016	15	295-SLRSTTASGRVIEEW-309	1691.87	0.29	90.2%	83.2%
100 of 114	10/27/2016	15	298-STTASGRVIEEWCCR-312	1697.92	0.39	90.1%	83.2%
101 of 114	10/27/2016	15	301-ASGRVIEEWCCRECT-315	1742.00	0.43	93.4%	83.6%
102 of 114	10/27/2016	15	304-RVIEEWCCRECTMPP-318	1852.22	0.59	82.1%	84.4%
103 of 114	10/27/2016	15	307-EEWCCRECTMPPLSF-321	1831.15	0.69	81.3%	88.9%
104 of 114	10/27/2016	15	310-CCRECTMPPLSFRAK-324	1742.15	0.51	82.4%	79.3%
105 of 114	10/27/2016	15	313-ECTMPPLSFRAKDGC-327	1654.96	0.42	87.9%	82.9%
106 of 114	10/27/2016	15	316-MPPLSFRAKDGCWYG-330	1728.03	0.56	80.5%	83.5%
107 of 114	10/27/2016	15	319-LSFRAKDGCWYGMEI-333	1776.07	0.54	96.7%	83.9%
108 of 114	10/27/2016	15	322-RAKDGCWYGMEIRPR-336	1838.15	0.23	81.7%	76.3%
109 of 114	10/27/2016	15	325-DGCWYGMEIRPRKEP-339	1837.11	0.28	98.3%	80.1%
110 of 114	10/27/2016	15	328-WYGMEIRPRKEPESN-342	1892.13	0.22	84.6%	80.6%
111 of 114	10/27/2016	15	331-MEIRPRKEPESNLVR-345	1854.17	0.13	87.8%	76.5%
112 of 114	10/27/2016	15	334-RPRKEPESNLVRSMV-348	1798.11	0.14	81.5%	75.9%
113 of 114	10/27/2016	15	337-KEPESNLVRSMVTAG-351	1617.85	0.26	83.9%	82.5%
114 of 114	10/27/2016	13	340-ESNLVRSMVTAGS-352	1350.52	0.4	88.9%	85.6%

^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 114	Expected		1.00	1.00	2.00	1.00	2.00				2.00		1.00		2.00	2.00			1.00
	Actual		1.10	0.76	0.80 ^a	0.97	1.89				2.00		0.97		1.90	2.12			0.78
2 of 114	Expected		1.00	1.00	1.00	1.00	2.00				2.00		2.00		1.00	2.00			2.00
	Actual		1.10	0.91	0.25 ^a	0.93	1.90				2.00		1.87		0.93	2.09			2.08
3 of 114	Expected		1.00	1.00	1.00	1.00	2.00				2.00		1.00		1.00	2.00		1.00	2.00
	Actual		1.08	1.00	0.41 ^a	1.14	2.12				2.00		0.92		0.97	1.98		0.98	1.81
4 of 114	Expected		1.00	2.00	1.00	2.00	2.00						1.00			2.00		1.00	3.00
	Actual		0.85	1.94	0.34 ^a	2.03	2.15						0.84			2.00		1.02	2.88
5 of 114	Expected	1.00	1.00	2.00	1.00	1.00	2.00						1.00			1.00	1.00	1.00	3.00
	Actual	1.06	1.05	2.13	0.30 ^a	0.92	2.00						0.90			0.95	0.00 ^b	0.79	2.99
6 of 114	Expected	1.00	2.00	3.00		1.00	1.00						1.00				1.00	2.00	3.00
	Actual	0.98	2.03	3.00		0.87	0.90						0.93				0.00 ^b	2.09	2.98
7 of 114	Expected	1.00	2.00	3.00		1.00		1.00			1.00						1.00	3.00	2.00
	Actual	0.91	1.90	2.77		0.87		1.00			1.14						0.00 ^b	2.87	1.94
8 of 114	Expected	1.00	2.00	3.00		1.00		1.00			1.00			1.00	1.00		1.00	2.00	1.00
	Actual	0.92	1.94	3.00		0.91		1.01			0.95			1.00	1.00		0.00 ^b	2.10	0.82
9 of 114	Expected	1.00	4.00	2.00				1.00			1.00			2.00	1.00		1.00	2.00	
	Actual	0.91	3.99	2.00				1.03			0.94			2.00	1.01		0.00 ^b	2.16	
10 of 114	Expected	2.00	3.00	2.00				1.00		1.00	1.00			2.00	1.00			2.00	
	Actual	1.85	2.86	2.00				1.05		0.83	0.98			1.93	0.90			2.08	
11 of 114	Expected	3.00	2.00	1.00				1.00		1.00	2.00			2.00	1.00			1.00	1.00
	Actual	2.90	1.87	1.00				0.95		0.98	1.96			1.83	0.98			0.96	0.94
12 of 114	Expected	4.00	2.00	1.00		1.00				1.00	1.00			2.00	1.00		1.00		1.00
	Actual	3.88	1.87	1.00		0.96				0.96	0.86			1.87	0.98		0.00 ^b		0.95
13 of 114	Expected	4.00	2.00	1.00		2.00	1.00			1.00	1.00			1.00			1.00		1.00
	Actual	3.88	2.11	1.00		1.85	1.00			0.89	1.09			0.98			0.00 ^b		0.92
14 of 114	Expected	4.00		1.00	1.00	2.00	2.00		1.00	1.00	1.00						1.00		1.00
	Actual	4.03		1.00	0.26 ^a	2.17	2.04		0.86	0.98	0.97						0.00 ^b		1.01
15 of 114	Expected	2.00		1.00	1.00	2.00	2.00		2.00		1.00				2.00			1.00	1.00
	Actual	2.13		1.00	0.40 ^a	2.05	1.99		1.93		0.86				1.95			0.00 ^b	0.86
16 of 114	Expected	1.00	1.00	1.00	1.00	2.00	2.00		2.00						3.00		1.00		1.00
	Actual	0.99	1.07	1.00	0.41 ^a	1.97	1.90		2.00						2.89		0.00 ^b		1.12
17 of 114	Expected		1.00	2.00	1.00	2.00	2.00		2.00			1.00			3.00				1.00
	Actual		1.07	2.00	0.00 ^a	1.90	1.85		1.91			1.03			3.04				1.05
18 of 114	Expected		1.00	1.00	1.00	1.00	1.00		3.00			2.00			3.00		1.00		1.00
	Actual		1.04	1.00	0.31 ^a	1.06	0.92		2.96			2.07			3.04		0.00 ^b		0.96
19 of 114	Expected		2.00	1.00		1.00			2.00			2.00			4.00		1.00		2.00
	Actual		2.15	1.00		1.11			1.84			1.84			3.82		0.00 ^b		2.04
20 of 114	Expected		2.00	1.00		3.00	1.00		1.00			2.00			2.00		1.00		2.00
	Actual		2.00	1.06		2.88	0.85		0.96			2.07			1.82		0.00 ^b		1.97
21 of 114	Expected	1.00	1.00	2.00		3.00	1.00		1.00	1.00		2.00			1.00		1.00		1.00
	Actual	1.00	1.01	1.97		3.05	1.04		0.89	1.06		1.92			0.95		0.00 ^b		0.88
22 of 114	Expected	1.00	1.00	1.00		3.00	1.00		2.00	2.00		1.00			1.00		1.00		1.00
	Actual	1.04	1.11	1.00		2.89	1.03		1.79	2.05		1.06			0.99		0.00 ^b		0.98
23 of 114	Expected	1.00	1.00	2.00		4.00	2.00		1.00	2.00					1.00				1.00
	Actual	1.00	0.89	2.09		4.01	2.04		0.81	1.99					1.05				0.98
24 of 114	Expected	1.00		2.00		5.00	2.00		1.00	3.00									1.00
	Actual	1.00		2.00		5.05	2.10		0.82	3.08									1.00

Table 2 - Amino Acid Analysis

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
25 of 114	Expected	1.00		2.00		3.00	1.00		1.00	3.00						1.00			3.00
	Actual	0.98		1.98		2.96	1.12		0.97	2.89						1.02			2.20 ^c
26 of 114	Expected			1.00		3.00	2.00		1.00	2.00					1.00	1.00			4.00
	Actual			1.00		3.05	1.89		0.86	1.85					0.86	0.75			2.78 ^c
27 of 114	Expected			2.00		2.00	2.00			1.00	1.00				1.00	1.00			5.00
	Actual			1.80		1.96	2.13			1.06	0.84				1.03	1.00			4.33 ^c
28 of 114	Expected			1.00		1.00	1.00			1.00	1.00	1.00		1.00	1.00	1.00	1.00		5.00
	Actual			1.00		0.95	0.93			0.83	0.77	1.01		1.03	0.88	0.81	0.00 ^b		3.30 ^c
29 of 114	Expected		1.00	1.00			2.00				1.00	1.00		2.00	1.00	1.00	1.00		4.00
	Actual		1.09	1.00			2.11				0.81	1.11		2.15	1.02	0.93	0.00 ^b		3.05 ^c
30 of 114	Expected		2.00	1.00		1.00	2.00			1.00	1.00	1.00		2.00	1.00			1.00	2.00
	Actual		2.09	0.86		1.06	1.90			1.07	0.84	1.02		2.00	0.80			0.00 ^b	1.79
31 of 114	Expected		2.00	1.00		1.00	1.00			1.00	1.00	1.00		4.00				1.00	2.00
	Actual		2.01	0.96		1.10	0.97			1.01	0.91	1.02		4.00				0.00 ^b	2.03
32 of 114	Expected		2.00	1.00		2.00	1.00			1.00		1.00		4.00				1.00	2.00
	Actual		1.94	1.00		2.18	0.93			1.02		1.00		3.88				0.00 ^b	2.04
33 of 114	Expected		2.00	1.00		2.00	1.00	1.00		2.00				4.00					2.00
	Actual		1.89	1.00		2.09	0.93	1.09		1.99				3.80					1.98
34 of 114	Expected		1.00	1.00		2.00	1.00	1.00		2.00	1.00			3.00				1.00	2.00
	Actual		0.93	1.00		2.08	1.00	1.06		1.94	0.95			2.88				0.00 ^b	1.93
35 of 114	Expected	1.00		1.00		1.00	2.00	1.00		1.00	1.00			3.00				2.00	2.00
	Actual	0.97		1.00		1.09	2.01	1.04		0.99	0.94			2.86				0.00 ^b	1.89
36 of 114	Expected	1.00		1.00		1.00	2.00	1.00		1.00	2.00			1.00	1.00			2.00	1.00
	Actual	0.93		1.00		1.08	1.89	1.01		0.91	1.81			1.02	0.95			0.00 ^b	1.14
37 of 114	Expected	1.00	1.00				2.00	1.00		1.00	2.00		1.00	1.00	1.00			2.00	1.00
	Actual	1.00	0.88				2.12	1.06		0.84	1.92		0.98	0.94	1.06			0.00 ^b	0.89
38 of 114	Expected	3.00	1.00				2.00				3.00		1.00		1.00			2.00	1.00
	Actual	3.00	0.91				2.07				2.89		1.01		1.08			0.00 ^b	1.11
39 of 114	Expected	3.00	1.00	2.00			1.00				2.00		1.00	1.00	1.00	1.00		1.00	1.00
	Actual	2.84	0.90	2.00			1.03				1.93		0.99	1.00	1.02	0.00 ^b		1.17	0.84
40 of 114	Expected	2.00	1.00	2.00							2.00		2.00	2.00	2.00	1.00			1.00
	Actual	2.00	0.76	2.07							1.80		1.85	1.99	1.01				1.12
41 of 114	Expected	2.00	1.00	3.00			1.00				1.00		2.00	1.00	1.00				3.00
	Actual	2.00	0.90	3.14			1.08				1.07		1.77	0.88	0.96				1.84 ^c
42 of 114	Expected	2.00		4.00			1.00			1.00	1.00		1.00	1.00	2.00				2.00
	Actual	1.89		3.95			1.08			1.02	1.00		0.94	0.91	1.83				1.06 ^c
43 of 114	Expected			4.00	1.00	1.00	1.00			1.00	1.00		1.00		1.00	2.00			2.00
	Actual			4.12	0.26 ^a	1.04	0.98			0.95	1.00		0.87		0.97	1.76			0.93 ^c
44 of 114	Expected			2.00	1.00	1.00	1.00			2.00	2.00		1.00	1.00	1.00	1.00			2.00
	Actual			1.92	0.43 ^a	1.01	0.97			2.00	2.03		0.80	0.99	0.89	0.91			1.00 ^c
45 of 114	Expected	1.00	1.00	2.00	1.00	1.00	1.00	1.00		2.00	2.00			1.00		1.00			1.00
	Actual	1.00	1.13	1.94	0.51 ^a	0.96	1.01	1.22		2.07	1.89			1.07		0.95			0.95
46 of 114	Expected	1.00	1.00	2.00	1.00	1.00		1.00		2.00	2.00			1.00	1.00	1.00	1.00		
	Actual	1.05	1.11	2.00	0.51 ^a	1.02		1.12		2.06	2.02			1.02	0.97	0.93	0.00 ^b		
47 of 114	Expected	1.00	1.00	1.00	1.00	1.00		1.00		2.00	2.00		1.00	1.00	1.00			1.00	1.00
	Actual	1.04	1.00	0.89	0.49 ^a	0.83		1.02		2.00	1.95		1.00	1.00	0.78			0.00 ^b	0.94
48 of 114	Expected	1.00	1.00	2.00		1.00		2.00		2.00	1.00		1.00	1.00	1.00			1.00	1.00
	Actual	1.14	0.94	1.92		0.98		2.00		1.92	0.87		1.05	0.90	0.90			0.00 ^b	0.94

Table 2 - Amino Acid Analysis

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
49 of 114	Expected	1.00	1.00	2.00		1.00	2.00	2.00		1.00			2.00		1.00		1.00		1.00
	Actual	0.95	0.91	1.95		1.01	2.00	2.06		0.96			2.02		0.84		0.00 ^b		0.95
50 of 114	Expected			2.00		1.00	2.00	2.00		1.00			3.00		1.00		1.00		2.00
	Actual			1.77		1.00	1.97	1.94		1.00			3.10		0.91		0.00 ^b		1.92
51 of 114	Expected			1.00		1.00	2.00	2.00		1.00			3.00		1.00	1.00			3.00
	Actual			1.06		1.00	2.00	1.94		1.00			2.88		1.04	0.97			2.95
52 of 114	Expected			1.00		1.00	2.00	2.00		1.00	1.00		2.00		1.00	1.00	1.00		2.00
	Actual			0.95		1.02	2.00	2.14		1.05	0.99		1.93		0.86	0.97	0.00 ^b		1.87
53 of 114	Expected		1.00			1.00	2.00	1.00		1.00	1.00		2.00		1.00	1.00	1.00		3.00
	Actual		0.94			1.10	2.01	1.04		1.04	1.05		1.87		0.96	1.00	0.00 ^b		2.92
54 of 114	Expected		1.00	1.00		1.00		1.00		1.00	1.00		1.00		2.00	1.00	1.00	1.00	3.00
	Actual		0.83	1.05		1.07		0.90		1.00	0.81		0.84		1.75	0.80	0.00 ^b	1.12	2.83
55 of 114	Expected		1.00	1.00	1.00	2.00				2.00	1.00				2.00	1.00	1.00	1.00	2.00
	Actual		0.97	0.97	0.26 ^a	1.95				1.85	1.00				1.86	1.00	0.00 ^b	1.13	1.82
56 of 114	Expected	1.00	1.00	2.00	1.00	2.00				2.00	1.00			1.00	1.00		1.00	1.00	1.00
	Actual	1.07	0.97	2.05	0.19 ^a	2.13				2.00	0.88			0.86	0.90		0.00 ^b	0.96	0.89
57 of 114	Expected	1.00	1.00	2.00	1.00	2.00	1.00		1.00	1.00				1.00	1.00			1.00	2.00
	Actual	1.01	1.08	1.90	0.49 ^a	2.03	1.00		0.38 ^c	1.02				1.05	1.00			1.03	0.90 ^c
58 of 114	Expected	2.00		2.00	1.00	1.00	1.00		1.00	1.00				1.00	1.00	1.00		1.00	2.00
	Actual	2.00		1.78	0.32 ^a	0.95	0.97		0.39 ^c	0.99				1.08	0.89	0.99		1.10	1.48 ^c
59 of 114	Expected	2.00		1.00	1.00	1.00	2.00		1.00	1.00	2.00			1.00	0.00	1.00			2.00
	Actual	1.99		1.00	0.16 ^a	1.10	2.00		0.39 ^c	1.13	1.82			1.11	0.00	0.98			1.10 ^c
60 of 114	Expected	3.00		1.00		1.00	2.00		1.00		2.00			1.00		1.00			3.00
	Actual	2.97		0.94		1.15	2.00		0.42 ^c		1.88			1.05		1.00			2.29 ^c
61 of 114	Expected	2.00		1.00		1.00	2.00	1.00	1.00		2.00				1.00	1.00			3.00
	Actual	1.91		0.88		1.04	2.13	1.00	0.32 ^c		1.87				1.00	0.86			1.44 ^c
62 of 114	Expected	2.00		1.00		1.00	2.00	1.00		1.00	2.00				1.00	1.00		1.00	2.00
	Actual	1.98		1.00		0.98	1.93	1.08		1.07	1.77				0.88	0.99		0.92	1.80
63 of 114	Expected	1.00		1.00		2.00	2.00	1.00	1.00	1.00	2.00				1.00		1.00	1.00	1.00
	Actual	1.02		1.05		1.93	2.00	1.03	0.83	0.94	1.92				0.87		0.00 ^b	1.06	0.98
64 of 114	Expected	1.00		1.00		3.00	1.00	1.00	1.00	1.00	1.00				2.00		1.00	1.00	1.00
	Actual	0.95		0.96		2.88	1.01	1.00	0.83	1.07	0.99				1.83		0.00 ^b	1.00	0.96
65 of 114	Expected			3.00		2.00	1.00	1.00	1.00	1.00	1.00				2.00	1.00	1.00	1.00	
	Actual			2.93		2.03	1.00	0.82	0.88	1.08	0.99				1.78	1.03	0.00 ^b	1.01	
66 of 114	Expected		1.00	2.00		2.00	1.00		1.00	2.00	1.00				1.00	1.00	2.00	1.00	
	Actual		0.96	2.13		1.82	1.00		1.09	2.03	0.92				0.95	0.93	0.00 ^b	1.11	
67 of 114	Expected	1.00	2.00	2.00		2.00			1.00	1.00	2.00				1.00	1.00	2.00		
	Actual	1.07	2.00	2.06		1.90			1.06	0.94	1.83				0.85	0.91	0.00 ^b		
68 of 114	Expected	1.00	2.00	2.00		1.00		1.00	1.00	2.00	2.00				1.00	1.00	1.00		
	Actual	1.00	2.01	1.83		0.96		1.00	0.96	1.87	1.93				0.82	0.91	0.00 ^b		
69 of 114	Expected	1.00	2.00	2.00		1.00		1.00	1.00	2.00	2.00	1.00				1.00	1.00		
	Actual	1.09	1.93	2.00		1.04		1.10	0.90	2.08	1.89	1.13				0.97	0.00 ^b		
70 of 114	Expected	1.00	2.00		1.00	2.00		1.00	1.00	2.00	2.00	1.00				1.00	1.00		
	Actual	0.91	1.88		0.26 ^a	2.00		0.90	0.84	1.81	1.84	1.01				1.07	0.00 ^b		
71 of 114	Expected	1.00	1.00		1.00	2.00		1.00	1.00	1.00	3.00	1.00		1.00		1.00	1.00		
	Actual	1.01	0.83		0.46 ^a	2.00		1.07	0.86	0.92	2.99	1.04		1.02		0.82	0.00 ^b		
72 of 114	Expected				1.00	2.00		2.00	1.00	1.00	2.00	1.00		1.00	1.00	2.00	1.00		
	Actual				0.33 ^a	1.81		1.96	0.83	0.86	1.89	0.93		1.03	0.99	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)
73 of 114	Expected				1.00	2.00		1.00		1.00	2.00	1.00		1.00	1.00	3.00	2.00		
	Actual				0.24 ^a	2.08		1.09		1.00	2.01	1.00		1.06	0.89	2.92	0.00 ^b		
74 of 114	Expected			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00	1.00	3.00	2.00		
	Actual			0.95	0.61 ^a	1.01	0.97	1.08	1.05	1.03	1.00			1.00	0.87	2.63	0.00 ^b		
75 of 114	Expected			1.00		2.00	1.00	1.00	1.00	1.00	1.00			1.00	2.00	2.00	2.00		
	Actual			1.00		2.09	0.97	0.92	0.95	1.01	0.84			0.96	1.82	1.89	0.00 ^b		
76 of 114	Expected			2.00		2.00	1.00	1.00	2.00	2.00					2.00	2.00	1.00		
	Actual			2.13		1.95	1.04	0.98	1.85	2.04					1.74	2.00	0.00 ^b		
77 of 114	Expected			2.00		2.00	1.00		3.00	2.00	1.00			1.00	1.00	1.00	1.00		
	Actual			1.96		2.13	1.00		2.01 ^c	2.05	1.01			1.07	0.89	0.93	0.00 ^b		
78 of 114	Expected	1.00		2.00		2.00	1.00		3.00	2.00	1.00			1.00	2.00				
	Actual	1.00		1.91		2.00	1.00		1.95 ^c	2.03	0.97			1.00	1.80				
79 of 114	Expected	1.00		1.00		2.00	1.00		2.00	3.00	1.00			2.00	2.00				
	Actual	1.00		0.95		1.97	0.97		0.84 ^c	3.01	0.97			2.03	1.83				
80 of 114	Expected	1.00		1.00			1.00	2.00	2.00	3.00	1.00			2.00	2.00				
	Actual	1.00		0.97			1.03	2.18	0.80 ^c	3.07	0.97			2.06	2.01				
81 of 114	Expected	1.00	1.00	1.00			1.00	2.00	1.00	2.00	1.00			2.00	2.00	1.00			
	Actual	0.94	1.03	1.02			0.96	2.00	0.87	2.00	0.90			1.89	1.88	1.00			
82 of 114	Expected	1.00	1.00	1.00		1.00	2.00	2.00		2.00				1.00	2.00	1.00		1.00	
	Actual	1.10	1.00	0.97		1.06	1.88	1.96		2.04				1.10	2.13	0.96		0.85	
83 of 114	Expected		2.00	1.00		2.00	2.00	2.00		1.00				1.00	1.00	2.00		1.00	
	Actual		2.00	1.00		1.98	1.96	1.96		0.98				0.98	0.92	1.97		1.09	
84 of 114	Expected		2.00	1.00		2.00	2.00	2.00			1.00	1.00			1.00	2.00		1.00	
	Actual		1.96	1.00		1.93	2.05	1.97			1.03	1.05			0.92	1.91		0.89	
85 of 114	Expected		2.00	1.00		2.00	2.00	1.00			1.00	1.00		1.00		2.00	1.00	1.00	
	Actual		1.86	0.86		2.00	1.89	1.03			0.93	1.00		1.04		1.80	0.00 ^b	1.05	
86 of 114	Expected		1.00			4.00	2.00	1.00			1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
	Actual		1.00			3.84	1.94	1.05			0.99	1.02		1.04	0.93	0.97	0.00 ^b	1.07	
87 of 114	Expected		1.00			4.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
	Actual		0.99			4.05	0.98	1.00	1.03	1.06	1.01	1.00		1.02	0.99	0.89	0.00 ^b		
88 of 114	Expected		1.00			4.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
	Actual		1.13			3.93	0.97	0.90	1.07	0.95	1.02	0.96	0.98	1.00	0.89		0.00 ^b		
89 of 114	Expected		1.00		1.00	5.00		1.00	1.00	1.00				1.00	2.00	1.00		1.00	
	Actual		0.85		0.42 ^a	4.98		0.95	0.81	1.00				1.02	2.03	0.86		0.00 ^b	
90 of 114	Expected		1.00		1.00	5.00	1.00		1.00	1.00	1.00			1.00	1.00	1.00	1.00		
	Actual		0.91		0.39 ^a	5.14	1.01		0.86	0.93	1.10			0.96	0.98	0.84	1.00		
91 of 114	Expected		1.00		1.00	3.00	1.00	1.00	1.00	1.00	1.00			1.00	1.00		1.00		2.00
	Actual		1.00		0.32 ^a	3.10	1.01	1.03	0.96	0.87	1.09			0.00	0.97		1.00		1.85
92 of 114	Expected		1.00		1.00	4.00	1.00	1.00			1.00			1.00	1.00	2.00			2.00
	Actual		0.89		0.40 ^a	4.01	0.91	0.85			1.05			0.96	1.00	1.94			1.82
93 of 114	Expected				2.00	3.00	2.00	1.00			1.00			1.00		3.00			2.00
	Actual				0.96 ^a	3.13	2.00	0.87			0.93			1.03		2.92			1.86
94 of 114	Expected		1.00		1.00	2.00	3.00	1.00			1.00			1.00		3.00			2.00
	Actual		1.09		0.90 ^a	2.03	3.00	0.80			0.82			1.01		2.79			1.87
95 of 114	Expected		2.00		1.00	2.00	2.00	1.00		1.00				1.00	1.00	2.00			2.00
	Actual		2.02		0.44 ^a	1.82	1.86	0.93		1.00				1.01	0.86	1.98			2.02

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)
96 of 114	Expected		2.00		1.00	2.00	2.00			1.00				1.00	2.00	4.00			
	Actual		2.01		1.03 ^a	2.00	2.00			1.07				1.00	1.92	3.85			
97 of 114	Expected	1.00	2.00		1.00		3.00			1.00				1.00	3.00	3.00			
	Actual	1.02	2.00		0.36 ^a		3.04			0.97				1.01	3.00	3.00			
98 of 114	Expected	1.00	3.00				2.00		1.00	1.00				1.00	3.00	2.00			1.00
	Actual	1.02	2.96				2.01		0.62 ^c	1.00				1.05	2.99	2.00			0.39 ^c
99 of 114	Expected	1.00	2.00			2.00	1.00		1.00	1.00					3.00	2.00	1.00		1.00
	Actual	1.00	1.83			2.09	0.99		0.39 ^c	0.98					2.88	1.90	0.00 ^b		0.46 ^c
100 of 114	Expected	1.00	2.00		2.00	2.00	1.00		1.00						2.00	2.00	1.00		1.00
	Actual	0.91	2.03		0.94 ^a	2.08	1.00		0.55 ^c						1.93	1.84	0.00 ^b		0.38 ^c
101 of 114	Expected	1.00	2.00		3.00	3.00	1.00		1.00						1.00	1.00	1.00		1.00
	Actual	0.84	2.00		0.97 ^a	3.09	0.94		0.46 ^c						0.95	1.15	0.00 ^b		0.37 ^c
102 of 114	Expected		2.00		3.00	3.00			1.00			1.00		2.00		1.00	1.00		1.00
	Actual		1.82		1.19 ^a	3.00			0.43 ^c			1.02		2.01		1.01	0.00 ^b		0.38 ^c
103 of 114	Expected		1.00		3.00	3.00				1.00		1.00	1.00	2.00	1.00	1.00	1.00		
	Actual		1.00		1.69 ^a	3.09				1.01		0.99	1.07	2.03	0.94	0.97	0.00 ^b		
104 of 114	Expected	1.00	2.00		3.00	1.00				1.00	1.00	1.00	1.00	2.00	1.00	1.00			
	Actual	1.02	2.00		1.34 ^a	1.01				0.98	0.99	0.97	1.00	1.95	0.89	0.95			
105 of 114	Expected	1.00	1.00	1.00	2.00	1.00	1.00			1.00	1.00	1.00	1.00	2.00	1.00	1.00			
	Actual	0.96	1.00	1.04	0.38 ^a	0.96	1.01			0.95	0.97	0.89	0.95	1.82	0.93	0.89			
106 of 114	Expected	1.00	1.00	1.00	1.00		2.00			1.00	1.00	1.00	1.00	2.00	1.00		1.00	1.00	
	Actual	0.98	1.00	1.05	0.33 ^a		2.09			0.95	0.99	0.94	0.97	1.85	0.92		0.00 ^b	0.94	
107 of 114	Expected	1.00	1.00	1.00	1.00	1.00	2.00		1.00	1.00	1.00	1.00	1.00		1.00		1.00	1.00	
	Actual	0.96	1.00	0.99	0.31 ^a	1.02	2.12		1.03	0.97	0.95	1.03	0.97		0.89		0.00 ^b	0.99	
108 of 114	Expected	1.00	3.00	1.00	1.00	1.00	2.00		1.00		1.00	1.00		1.00			1.00	1.00	
	Actual	0.91	2.80	0.94	0.27 ^a	1.11	2.00		0.98		0.99	1.07		1.12			0.00 ^b	1.02	
109 of 114	Expected		2.00	1.00	1.00	2.00	2.00		1.00		1.00	1.00		2.00			1.00	1.00	
	Actual		1.82	0.86	0.34 ^a	2.08	1.94		0.87		1.00	0.95		2.08			0.00 ^b	1.02	
110 of 114	Expected		2.00	1.00		3.00	1.00		1.00		1.00	1.00		2.00	1.00		1.00	1.00	
	Actual		1.82	1.08		3.13	0.87		0.80		0.97	0.93		2.02	0.90		0.00 ^b	1.00	
111 of 114	Expected		3.00	1.00		3.00			1.00	1.00	1.00	1.00		2.00	1.00				1.00
	Actual		2.95	1.04		2.95			0.77	1.05	0.98	0.97		2.00	0.92				0.89
112 of 114	Expected		3.00	1.00		2.00				1.00	1.00	1.00		2.00	2.00				2.00
	Actual		2.95	1.01		1.93				1.05	0.97	1.15		2.00	1.90				2.03
113 of 114	Expected	1.00	1.00	1.00		2.00	1.00			1.00	1.00	1.00		1.00	2.00	1.00			2.00
	Actual	1.01	0.97	0.97		2.08	1.00			1.01	0.99	1.12		1.04	1.96	0.98			1.93
114 of 114	Expected	1.00	1.00	1.00		1.00	1.00			1.00		1.00			3.00	1.00			2.00
	Actual	1.15	0.99	0.97		1.03	0.98			0.96		1.08			2.83	1.11			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

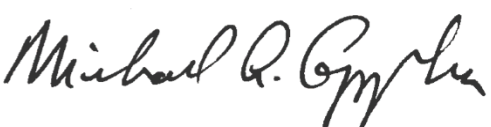
Table 3

Peptide	Sequence	Solubility	Solvent
1 of 114	1-GCSVDFSKKETRCGT-15	1 mg/mL	Water
2 of 114	4-VDFSKKETRCGTGVF-18	1 mg/mL	100% DMSO
3 of 114	7-SKKETRCGTGVFVYN-21	1 mg/mL	100% DMSO
4 of 114	10-ETRCGTGVFVYNDVE-24	1 mg/mL	100% DMSO
5 of 114	13-CGTGVFVYNDVEAWR-27	1 mg/mL	70% acetonitrile in water
6 of 114	16-GVFVYNDVEAWRDRY-30	1 mg/mL	70% acetonitrile in water
7 of 114	19-VYNDVEAWRDRYKYH-33	1 mg/mL	70% acetonitrile in water
8 of 114	22-DVEAWRDRYKYHPDS-36	1 mg/mL	70% acetonitrile in water
9 of 114	25-AWRDRYKYHPDSPRR-39	1 mg/mL	70% acetonitrile in water
10 of 114	28-DRYKYHPDSPRRLAA-42	1 mg/mL	70% acetonitrile in water
11 of 114	31-KYHPDSPRRLAAAVK-45	1 mg/mL	Water
12 of 114	34-PDSPRRLAAAVKQAW-48	1 mg/mL	70% acetonitrile in water
13 of 114	37-PRRLAAAVKQAWEDG-51	1 mg/mL	70% acetonitrile in water
14 of 114	40-LAAAVKQAWEDGICG-54	1 mg/mL	100% DMSO
15 of 114	43-AVKQAWEDGICGISS-57	1 mg/mL	100% DMSO
16 of 114	46-QAWEDGICGISSVSR-60	1 mg/mL	100% DMSO
17 of 114	49-EDGICGISSVSRMEN-63	1 mg/mL	100% DMSO
18 of 114	52-ICGISSVSRMENIMW-66	1 mg/mL	100% DMSO
19 of 114	55-ISSVSRMENIMWRSV-69	1 mg/mL	100% DMSO
20 of 114	58-VSRMENIMWRSVEGE-72	1 mg/mL	100% DMSO
21 of 114	61-MENIMWRSVEGELNA-75	1 mg/mL	100% DMSO
22 of 114	64-IMWRSVEGELNAILE-78	1 mg/mL	100% DMSO
23 of 114	67-RSVEGELNAILEENG-81	1 mg/mL	100% DMSO
24 of 114	70-EGELNAILEENGVQL-84	1 mg/mL	100% DMSO
25 of 114	73-LNAILEENGVQLTVV-87	1 mg/mL	100% DMSO
26 of 114	76-ILEENGVQLTVVVG-90	1 mg/mL	100% DMSO
27 of 114	79-ENGVQLTVVVGSVKN-93	1 mg/mL	100% DMSO
28 of 114	82-VQLTVVVGSVKNPMW-96	1 mg/mL	100% DMSO
29 of 114	85-TVVVGSVKNPMWRGP-99	1 mg/mL	100% DMSO
30 of 114	88-VGSVKNPMWRGPQRL-102	1 mg/mL	70% acetonitrile in water
31 of 114	91-VKNPMWRGPQRLPVP-105	1 mg/mL	100% DMSO
32 of 114	94-PMWRGPQRLPVPVNE-108	1 mg/mL	70% acetonitrile in water
33 of 114	97-RGPQRLPVPVNELPH-111	1 mg/mL	70% acetonitrile in water
34 of 114	100-QRLPVPVNELPHGWK-114	1 mg/mL	70% acetonitrile in water
35 of 114	103-PVPVNELPHGWKAWG-117	1 mg/mL	70% acetonitrile in water
36 of 114	106-VNELPHGWKAWGKSY-120	1 mg/mL	70% acetonitrile in water
37 of 114	109-LPHGWKAWGKSYFVR-123	1 mg/mL	70% acetonitrile in water
38 of 114	112-GWKAWGKSYFVRAAK-126	1 mg/mL	70% acetonitrile in water
39 of 114	115-AWGKSYFVRAAKTNN-129	1 mg/mL	70% acetonitrile in water
40 of 114	118-KSYFVRAAKTNSFV-132	1 mg/mL	70% acetonitrile in water
41 of 114	121-FVRAAKTNSFVVDG-135	1 mg/mL	70% acetonitrile in water
42 of 114	124-AAKTNSFVVDGDTL-138	1 mg/mL	100% DMSO
43 of 114	127-TNSFVVDGDTLKEC-141	1 mg/mL	70% acetonitrile in water

Table 3			
Peptide	Sequence	Solubility	Solvent
44 of 114	130-SFVVDGDTLKECPLK-144	1 mg/mL	70% acetonitrile in water
45 of 114	133-VDGDTLKECPLKHRA-147	1 mg/mL	70% acetonitrile in water
46 of 114	136-DTLKECPLKHRAWNS-150	1 mg/mL	100% DMSO
47 of 114	139-KECPLKHRAWNSFLV-153	1 mg/mL	Water
48 of 114	142-PLKHRAWNSFLVEDH-156	1 mg/mL	70% acetonitrile in water
49 of 114	145-HRAWNSFLVEDHGFG-159	1 mg/mL	70% acetonitrile in water
50 of 114	148-WNSFLVEDHGFGVFH-162	1 mg/mL	70% acetonitrile in water
51 of 114	151-FLVEDHGFGVFHTSV-165	1 mg/mL	100% DMSO
52 of 114	154-EDHGFGVFHTSVWLK-168	1 mg/mL	Water
53 of 114	157-GFGVFHTSVWLKVRE-171	1 mg/mL	100% DMSO
54 of 114	160-VFHTSVWLKVREDYS-174	1 mg/mL	70% acetonitrile in water
55 of 114	163-TSVWLKVREDYSLEC-177	1 mg/mL	100% DMSO
56 of 114	166-WLKVREDYSLECDPA-180	1 mg/mL	100% DMSO
57 of 114	169-VREDYSLECDPAVIG-183	1 mg/mL	70% acetonitrile in water
58 of 114	172-DYSLECDPAVIGTAV-186	1 mg/mL	70% acetonitrile in water
59 of 114	175-LECDPAVIGTAVKKG-189	1 mg/mL	70% acetonitrile in water
60 of 114	178-DPAVIGTAVKKEAV-192	1 mg/mL	70% acetonitrile in water
61 of 114	181-VIGTAVKKEAVHSD-195	1 mg/mL	70% acetonitrile in water
62 of 114	184-TAVKKEAVHSDLGY-198	1 mg/mL	Water
63 of 114	187-KGKEAVHSDLGYWIE-201	1 mg/mL	Water
64 of 114	190-EAVHSDLGYWIESEK-204	1 mg/mL	70% acetonitrile in water
65 of 114	193-HSDLGYWIESEKNDT-207	1 mg/mL	Water
66 of 114	196-LGYWIESEKNDTWRL-210	1 mg/mL	100% DMSO
67 of 114	199-WIESEKNDTWRLKRA-213	1 mg/mL	70% acetonitrile in water
68 of 114	202-SEKNDTWRLKRAHLI-216	1 mg/mL	70% acetonitrile in water
69 of 114	205-NDTWRLKRAHLIEMK-219	1 mg/mL	70% acetonitrile in water
70 of 114	208-WRLKRAHLIEMKTCE-222	1 mg/mL	70% acetonitrile in water
71 of 114	211-KRAHLIEMKTCEWPK-225	1 mg/mL	Water
72 of 114	214-HLIEMKTCEWPKSHT-228	1 mg/mL	Water
73 of 114	217-EMKTCEWPKSHTLWT-231	1 mg/mL	Water
74 of 114	220-TCEWPKSHTLWTDGI-234	1 mg/mL	70% acetonitrile in water
75 of 114	223-WPKSHTLWTDGIEES-237	1 mg/mL	70% acetonitrile in water
76 of 114	226-SHTLWTDGIEESDLI-240	1 mg/mL	70% acetonitrile in water
77 of 114	229-LWTDGIEESDLIIPK-243	1 mg/mL	70% acetonitrile in water
78 of 114	232-DGIEESDLIIPKSLA-246	1 mg/mL	70% acetonitrile in water
79 of 114	235-EESDLIIPKSLAGPL-249	1 mg/mL	100% DMSO
80 of 114	238-DLIIPKSLAGPLSHH-252	1 mg/mL	70% acetonitrile in water
81 of 114	241-IPKSLAGPLSHHNTR-255	1 mg/mL	100% DMSO
82 of 114	244-SLAGPLSHHNNTREGY-258	1 mg/mL	Water
83 of 114	247-GPLSHHNNTREGYRTQ-261	1 mg/mL	100% DMSO
84 of 114	250-SHHNTREGYRTQMKG-264	1 mg/mL	70% acetonitrile in water
85 of 114	253-NTREGYRTQMKGPPWH-267	1 mg/mL	100% DMSO
86 of 114	256-EGYRTQMKGPPWHSEE-270	1 mg/mL	100% DMSO

Peptide	Sequence	Solubility	Solvent
87 of 114	259-RTQMKGPPWHSEEELEI-273	1 mg/mL	70% acetonitrile in water
88 of 114	262-MKGPWHSEEELEIRFE-276	1 mg/mL	70% acetonitrile in water
89 of 114	265-PWHSEEELEIRFECP-279	1 mg/mL	100% DMSO
90 of 114	268-SEELEIRFECPGK-282	1 mg/mL	70% acetonitrile in water
91 of 114	271-LEIRFECPGKVVH-285	1 mg/mL	100% DMSO
92 of 114	274-RFECPGKVVHEET-288	1 mg/mL	100% DMSO
93 of 114	277-ECPGKVVHEETCGT-291	1 mg/mL	100% DMSO
94 of 114	280-GKVVHEETCGTRGP-294	1 mg/mL	70% acetonitrile in water
95 of 114	283-VVHEETCGTRGPSLR-297	1 mg/mL	70% acetonitrile in water
96 of 114	286-EETCGTRGPSLRSTT-300	1 mg/mL	100% DMSO
97 of 114	289-CGTRGPSLRSTTASG-303	1 mg/mL	70% acetonitrile in water
98 of 114	292-RGPSLRSTTASGRVI-306	1 mg/mL	100% DMSO
99 of 114	295-SLRSTTASGRVIEEW-309	1 mg/mL	100% DMSO
100 of 114	298-STTASGRVIEEWCCR-312	1 mg/mL	100% DMSO
101 of 114	301-ASGRVIEEWCCRECT-315	1 mg/mL	100% DMSO
102 of 114	304-RVIEEWCCRECTMPP-318	1 mg/mL	100% DMSO
103 of 114	307-EEWCCRECTMPPLSF-321	1 mg/mL	70% acetonitrile in water
104 of 114	310-CCRECTMPPLSFRAK-324	1 mg/mL	Water
105 of 114	313-ECTMPPLSFRAKDGC-327	1 mg/mL	Water
106 of 114	316-MPPLSFRAKDGCWYG-330	1 mg/mL	70% acetonitrile in water
107 of 114	319-LSFRAKDGCWYGMEI-333	1 mg/mL	70% acetonitrile in water
108 of 114	322-RAKDGCWYGMEIRPR-336	1 mg/mL	Water
109 of 114	325-DGCWYGMEIRPRKEP-339	1 mg/mL	Water
110 of 114	328-WYGMEIRPRKEPESN-342	1 mg/mL	70% acetonitrile in water
111 of 114	331-MEIRPRKEPESNLVR-345	1 mg/mL	70% acetonitrile in water
112 of 114	334-RPRKEPESNLVRSMV-348	1 mg/mL	70% acetonitrile in water
113 of 114	337-KEPESNLVRSMVTAG-351	1 mg/mL	70% acetonitrile in water
114 of 114	340-ESNLVRSMVTAGS-352	1 mg/mL	100% DMSO

Date: 09 DEC 2016

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