Product Information Sheet for NR-4768

Peptide Array, Hantaan Virus, 76-118, L Protein

Catalog No. NR-4768

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Contributor:

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Product Description:

The 372-peptide array spans the L protein of Hantaan virus, 76-118 (GenPept: P23456).[1] Peptides are 15- to 17-mers, with 11 to 14 amino acid overlaps. Please see Table 1 for length and sequence of individual peptides.

Material Provided:

Peptides are provided lyophilized at 1 mg per vial.

Packaging/Storage:

Lyophilized peptides should be placed in a closed dry environment with dessicants and stored at -20°C or colder immediately upon arrival. A frost-free freezer should be avoided, since changes in moisture and temperature may affect peptide stability.

Solubility:

Solubility may vary based on the amino acid content of the individual peptide (see Table 2).

Reconstitution:

Lyophilized peptides should be warmed to room temperature for 1 hour prior to reconstitution. They should be dissolved at the highest possible concentration, and then diluted with water or buffer to the working concentration. Buffer should be added only after the peptide is completely in solution because salts may cause aggregation.

The most common dissolution process is 1 mg of peptide in 1 mL of sterile, distilled water. Peptides that are not soluble in water can almost always be dissolved in DMSO. Once a peptide is in solution, the DMSO can be slowly diluted with aqueous medium. Care must be taken to ensure that the peptide does not begin to precipitate out of solution. For cell-based assays, 0.5% DMSO in medium is usually well-tolerated.

Sonication and/or the addition of small amounts of dilute (10%) aqueous acetic acid for basic peptides, aqueous ammonia for acidic peptides or acetonitrile may also help dissolution (see Table 2). These solvents may not be appropriate for certain applications, including cell-based assays.

Storage of Reconstituted Peptides:

The shelf life of peptides in solution is very limited, especially for sequences containing cysteine, methionine, tryptophan, asparagine, glutamine, and N-terminal glutamic acid. In general, peptides may be aliquoted and stored in solution for a few days at -20°C or colder. For long-term storage, peptides should be re-lyophilized and stored at -20°C or colder. If long-term storage in solution is unavoidable, peptide solutions should be buffered to pH 5–6, aliquoted and stored at -20°C or colder. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Peptide Array, Hantaan Virus, 76-118, L Protein, NR-4768."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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References:

1. Schmaljohn, C. S. "Nucleotide Sequence of the L Genome Segment of Hantaan Virus." Nucleic Acids Res. 18 (1990): 6728. PubMed: 2123544. GenPept: P23456.
2. Antic, D., et al. "Comparison to the Deduced Gene Products of the L, M, and S Genome Segments of Hantaviruses." Virus Res. 24 (1992): 35–46. PubMed: 1626424.

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Table 1

Peptide	Length	Sequence
1 of 372	17	1-MDKYREIHNKLKEFSPG-17
2 of 372	17	7-IHNKLKEFSPGTLTAVE-23
3 of 372	17	12-KEFSPGTLTAVECIDYL-28
4 of 372	17	18-TLTAVECIDYLDRLYAV-34
5 of 372	17	24-CIDYLDRLYAVRHDIVD-40
6 of 372	17	30-RLYAVRHDIVDQMIKHD-46
7 of 372	17	36-HDIVDQMIKHDWSDNKD-52
8 of 372	17	42-MIKHDWSDNKDSEEAIG-58
9 of 372	17	48-SDNKDSEEAIGKVLLFA-64
10 of 372	17	53-SEEAIGKVLLFAGVPSN-69
11 of 372	17	59-KVLLFAGVPSNIITALE-75
12 of 372	17	65-GVPSNIITALEKKIIPN-81
13 of 372	16	71-ITALEKKIIPNHPTGK-86
14 of 372	17	76-KKIIPNHPTGKSLKAFF-92
15 of 372	17	82-HPTGKSLKAFFKMTPDN-98
16 of 372	17	88-LKAFFKMTPDNYKISGT-104
17 of 372	17	94-MTPDNYKISGTTIEFVE-110
18 of 372	17	100-KISGTTIEFVEVTVTAD-116
19 of 372	17	106-IEFVEVTVTADVDKGIR-122
20 of 372	17	112-TVTADVDKGIREKKLKY-128
21 of 372	17	118-DKGIREKKLKYEAGLTY-134
22 of 372	17	124-KKLKYEAGLTYIEQELH-140
23 of 372	17	130-AGLTYIEQELHKFFLKG-146
24 of 372	16	135-IEQELHKFFLKGEIPQ-150
25 of 372	17	140-HKFFLKGEIPQPYKITF-156
26 of 372	17	146-GEIPQPYKITFNVVAVR-162
27 of 372	17	152-YKITFNVVAVRTDGSNI-168
28 of 372	15	158-VVAVRTDGSNITTQW-172
29 of 372	17	162-RTDGSNITTQWPSRRND-178
30 of 372	17	168-ITTQWPSRRNDGVVQYM-184
31 of 372	17	174-SRRNDGVVQYMRLVQAE-190
32 of 372	17	180-VVQYMRLVQAEISYVRE-196
33 of 372	17	186-LVQAEISYVREHLIKTE-202
34 of 372	17	192-SYVREHLIKTEERAALE-208

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Table 1		
Peptide	**Length**	**Sequence**
35 of 372	17	198-LIKTEERAALEAMFNLK-214
36 of 372	17	204-RAALEAMFNLKFNISTH-220
37 of 372	17	210-MFNLKFNISTHKSQPYY-226
38 of 372	17	216-NISTHKSQPYYIPDYKG-232
39 of 372	17	222-SQPYYIPDYKGMEPIGA-238
40 of 372	17	228-PDYKGMEPIGANIEDLV-244
41 of 372	17	233-MEPIGANIEDLVDYSKD-249
42 of 372	17	239-NIEDLVDYSKDWLSRAR-255
43 of 372	17	245-DYSKDWLSRARNFSFFE-261
44 of 372	17	251-LSRARNFSFFEVKGTAV-267
45 of 372	16	257-FSFFEVKGTAVFECFN-272
46 of 372	17	262-VKGTAVFECFNSNEANH-278
47 of 372	17	268-FECFNSNEANHCQRYPM-284
48 of 372	17	274-NEANHCQRYPMSRKPRN-290
49 of 372	17	279-CQRYPMSRKPRNFLLIQ-295
50 of 372	16	285-SRKPRNFLLIQCSLIT-300
51 of 372	17	290-NFLLIQCSLITSYKPAT-306
52 of 372	17	296-CSLITSYKPATTLSDQI-312
53 of 372	16	302-YKPATTLSDQIDSRRA-317
54 of 372	17	307-TLSDQIDSRRACSYILN-323
55 of 372	16	313-DSRRACSYILNLIPDT-328
56 of 372	17	318-CSYILNLIPDTPASYLI-334
57 of 372	17	324-LIPDTPASYLIHDMAYR-340
58 of 372	17	330-ASYLIHDMAYRYINLTR-346
59 of 372	17	336-DMAYRYINLTREDMINY-352
60 of 372	17	342-INLTREDMINYYAPRIQ-358
61 of 372	17	348-DMINYYAPRIQFKQTQN-364
62 of 372	17	354-APRIQFKQTQNVREPGT-370
63 of 372	15	360-KQTQNVREPGTFKLT-374
64 of 372	17	364-NVREPGTFKLTSSMLRA-380
65 of 372	17	370-TFKLTSSMLRAESKAML-386
66 of 372	17	376-SMLRAESKAMLDLLNNH-392
67 of 372	17	382-SKAMLDLLNNHKSGEKH-398
68 of 372	16	388-LLNNHKSGEKHGAQIE-403
69 of 372	16	393-KSGEKHGAQIESLNIA-408
70 of 372	16	398-HGAQIESLNIASHIVQ-413
71 of 372	16	402-IESLNIASHIVQSESV-417
72 of 372	17	407-IASHIVQSESVSLITKI-423
73 of 372	17	412-VQSESVSLITKILSDLE-428
74 of 372	16	418-SLITKILSDLELNITE-433
75 of 372	17	423-ILSDLELNITEPSTQEY-439
76 of 372	17	429-LNITEPSTQEYSTTKHT-445
77 of 372	17	435-STQEYSTTKHTYVDTVL-451
78 of 372	17	441-TTKHTYVDTVLDKFFQN-457
79 of 372	17	447-VDTVLDKFFQNETQKYL-463
80 of 372	17	453-KFFQNETQKYLIDVLKK-469

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81 of 372	17	459-TQKYLIDVLKKTTAWHI-475
82 of 372	17	465-DVLKKTTAWHIGHLIRD-481
83 of 372	17	471-TAWHIGHLIRDITESLI-487
84 of 372	17	477-HLIRDITESLIAHSGLK-493
85 of 372	16	483-TESLIAHSGLKRSKYW-498
86 of 372	17	488-AHSGLKRSKYWSLHSYN-504
87 of 372	17	494-RSKYWSLHSYNNGNVIL-510
88 of 372	17	500-LHSYNNGNVILFILPSK-516
89 of 372	17	506-GNVILFILPSKSLEVAG-522
90 of 372	17	512-ILPSKSLEVAGSFIRFI-528
91 of 372	17	518-LEVAGSFIRFITVFRIG-534
92 of 372	17	524-FIRFITVFRIGPGLVDK-540
93 of 372	17	530-VFRIGPGLVDKDNLDTI-546
94 of 372	16	536-GLVDKDNLDTILIDGD-551
95 of 372	16	541-DNLDTILIDGDSQWGV-556
96 of 372	17	546-ILIDGDSQWGVSKVMSI-562
97 of 372	17	552-SQWGVSKVMSIDLNRLL-568
98 of 372	17	558-KVMSIDLNRLLALNIAF-574
99 of 372	17	564-LNRLLALNIAFEKALIA-580
100 of 372	17	570-LNIAFEKALIATATWFQ-586
101 of 372	17	576-KALIATATWFQYYTEDQ-592
102 of 372	17	582-ATWFQYYTEDQGQFPLQ-598
103 of 372	17	588-YTEDQGQFPLQYAIRSV-604
104 of 372	17	593-GQFPLQYAIRSVFANHF-609
105 of 372	17	599-YAIRSVFANHFLLAICQ-615
106 of 372	17	605-FANHFLLAICQKMKLCA-621
107 of 372	17	611-LAICQKMKLCAIFDNLR-627
108 of 372	17	617-MKLCAIFDNLRYLIPAV-633
109 of 372	17	623-FDNLRYLIPAVTSLYSG-639
110 of 372	17	629-LIPAVTSLYSGFPSLIE-645
111 of 372	16	635-SLYSGFPSLIEKLFER-650
112 of 372	17	640-FPSLIEKLFERPFKSSL-656
113 of 372	17	646-KLFERPFKSSLEVYIYY-662
114 of 372	17	652-FKSSLEVYIYYNIKSLL-668
115 of 372	17	658-VYIYYNIKSLLVALAQN-674
116 of 372	17	664-IKSLLVALAQNNKARFY-680
117 of 372	17	670-ALAQNNKARFYSKVKLL-686
118 of 372	17	676-KARFYSKVKLLGLTVDQ-692
119 of 372	16	682-KVKLLGLTVDQSTVGA-697
120 of 372	15	687-GLTVDQSTVGASGVY-701
121 of 372	17	691-DQSTVGASGVYPSFMSR-707
122 of 372	17	697-ASGVYPSFMSRIVYKHY-713
123 of 372	17	703-SFMSRIVYKHYRSLISE-719
124 of 372	17	709-VYKHYRSLISEVTTCFF-725
125 of 372	17	715-SLISEVTTCFFLFEKGL-731

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126 of 372	17	721-TTCFFLFEKGLHGNMNE-737
127 of 372	17	727-FEKGLHGNMNEEAKIHL-743
128 of 372	17	733-GNMNEEAKIHLETVEWA-749
129 of 372	17	739-AKIHLETVEWALKFREK-755
130 of 372	17	745-TVEWALKFREKEEKYGE-761
131 of 372	17	751-KFREKEEKYGESLVENG-767
132 of 372	17	755-KEEKYGESLVENGYMMW-771
133 of 372	17	760-GESLVENGYMMWELRAN-776
134 of 372	17	766-NGYMMWELRANAELAEQ-782
135 of 372	17	771-WELRANAELAEQQLYCQ-787
136 of 372	17	777-AELAEQQLYCQDAIELA-793
137 of 372	17	780-AEQQLYCQDAIELAAIE-796
138 of 372	17	786-CQDAIELAAIELNKVLA-802
139 of 372	17	792-LAAIELNKVLATKSSVV-808
140 of 372	16	798-NKVLATKSSVVANSIL-813
141 of 372	17	803-TKSSVVANSILSKNWEE-819
142 of 372	17	809-ANSILSKNWEEPYFSQT-825
143 of 372	17	815-KNWEEPYFSQTRNISLK-831
144 of 372	17	821-YFSQTRNISLKGMSGQV-837
145 of 372	17	827-NISLKGMSGQVQEDGHL-843
146 of 372	17	833-MSGQVQEDGHLSSSVTI-849
147 of 372	17	837-VQEDGHLSSSVTIIEAI-853
148 of 372	16	843-LSSSVTIIEAIRYLSN-858
149 of 372	15	848-TIIEAIRYLSNSRHN-862
150 of 372	17	852-AIRYLSNSRHNPSLLKL-868
151 of 372	17	858-NSRHNPSLLKLYEETRE-874
152 of 372	17	864-SLLKLYEETREQKAMAR-880
153 of 372	17	869-YEETREQKAMARIVRKY-885
154 of 372	17	873-REQKAMARIVRKYQRTE-889
155 of 372	17	879-ARIVRKYQRTEADRGFF-895
156 of 372	17	885-YQRTEADRGFFITTLPT-901
157 of 372	17	891-DRGFFITTLPTRCRLEI-907
158 of 372	17	897-TTLPTRCRLEIIEDYYD-913
159 of 372	17	903-CRLEIIEDYYDAIAKNI-919
160 of 372	17	908-IEDYYDAIAKNISEEYI-924
161 of 372	17	914-AIAKNISEEYISYGGEK-930
162 of 372	17	920-SEEYISYGGEKKILAIQ-936
163 of 372	17	926-YGGEKKILAIQGALEKA-942
164 of 372	17	932-ILAIQGALEKALRWASG-948
165 of 372	17	938-ALEKALRWASGESFIEL-954
166 of 372	17	944-RWASGESFIELSNHKFI-960
167 of 372	17	950-SFIELSNHKFIRMKRKL-966
168 of 372	17	956-NHKFIRMKRKLMYVSAD-972
169 of 372	15	962-MKRKLMYVSADATKW-976
170 of 372	16	966-LMYVSADATKWSPGDN-981

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171 of 372	17	971-ADATKWSPGDNSAKFRR-987
172 of 372	17	977-SPGDNSAKFRRFTSMLH-993
173 of 372	17	983-AKFRRFTSMLHNGLPNN-999
174 of 372	17	989-TSMLHNGLPNNKLKNCV-1005
175 of 372	17	995-GLPNNKLKNCVIDALKQ-1011
176 of 372	17	1001-LKNCVIDALKQVYKTDF-1017
177 of 372	17	1007-DALKQVYKTDFFMSRKL-1023
178 of 372	16	1013-YKTDFFMSRKLRNYID-1028
179 of 372	17	1018-FMSRKLRNYIDSMESLD-1034
180 of 372	17	1024-RNYIDSMESLDPHIKQF-1040
181 of 372	17	1030-MESLDPHIKQFLDFFPD-1046
182 of 372	17	1036-HIKQFLDFFPDGHHGEV-1052
183 of 372	17	1042-DFFPDGHHGEVKGNWLQ-1058
184 of 372	16	1048-HHGEVKGNWLQGNLNK-1063
185 of 372	17	1053-KGNWLQGNLNKCSSLFG-1069
186 of 372	17	1059-GNLNKCSSLFGVAMSLL-1075
187 of 372	17	1065-SSLFGVAMSLLFKQVWT-1081
188 of 372	17	1071-AMSLLFKQVWTNLFPEL-1087
189 of 372	17	1077-KQVWTNLFPELDCFFEF-1093
190 of 372	17	1083-LFPELDCFFEFAHHSDD-1099
191 of 372	17	1089-CFFEFAHHSDDALFIYG-1105
192 of 372	17	1095-HHSDDALFIYGYLEPVD-1111
193 of 372	17	1101-LFIYGYLEPVDDGTDWF-1117
194 of 372	17	1107-LEPVDDGTDWFLFVSQQ-1123
195 of 372	17	1113-GTDWFLFVSQQIQAGHL-1129
196 of 372	17	1119-FVSQQIQAGHLHWFSVN-1135
197 of 372	17	1124-IQAGHLHWFSVNTEMWK-1140
198 of 372	17	1130-HWFSVNTEMWKSMFNLH-1146
199 of 372	17	1136-TEMWKSMFNLHEHILLL-1152
200 of 372	16	1142-MFNLHEHILLLGSIKI-1157
201 of 372	17	1146-HEHILLLGSIKISPKKT-1162
202 of 372	17	1152-LGSIKISPKKTTVSPTN-1168
203 of 372	17	1158-SPKKTTVSPTNAEFLST-1174
204 of 372	17	1164-VSPTNAEFLSTFFEGCA-1180
205 of 372	17	1169-AEFLSTFFEGCAVSIPF-1185
206 of 372	17	1175-FFEGCAVSIPFVKILLG-1191
207 of 372	16	1181-VSIPFVKILLGSLSDL-1196
208 of 372	17	1186-VKILLGSLSDLPGLGYF-1202
209 of 372	17	1192-SLSDLPGLGYFDDLAAA-1208
210 of 372	17	1198-GLGYFDDLAAAQSRCVK-1214
211 of 372	17	1204-DLAAAQSRCVKALDLGA-1220
212 of 372	17	1210-SRCVKALDLGASPQVAQ-1226
213 of 372	16	1216-LDLGASPQVAQLAVAL-1231
214 of 372	17	1221-SPQVAQLAVALCTSKVE-1237
215 of 372	17	1227-LAVALCTSKVERLYGTA-1243

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216 of 372	17	1233-TSKVERLYGTAPGMVNH-1249
217 of 372	17	1239-LYGTAPGMVNHPAAYLQ-1255
218 of 372	17	1245-GMVNHPAAYLQVKHTDT-1261
219 of 372	17	1251-AAYLQVKHTDTPIPLGG-1267
220 of 372	17	1257-KHTDTPIPLGGNGAMSI-1273
221 of 372	17	1263-IPLGGNGAMSIMELATA-1279
222 of 372	17	1269-GAMSIMELATAGIGMSD-1285
223 of 372	17	1274-MELATAGIGMSDKNLLK-1290
224 of 372	17	1280-GIGMSDKNLLKRALLGY-1296
225 of 372	17	1286-KNLLKRALLGYSHKRQK-1302
226 of 372	17	1292-ALLGYSHKRQKSMLYIL-1308
227 of 372	17	1298-HKRQKSMLYILGLFKFL-1314
228 of 372	17	1304-MLYILGLFKFLMKLSDE-1320
229 of 372	17	1310-LFKFLMKLSDETFQHER-1326
230 of 372	17	1316-KLSDETFQHERLGQFSF-1332
231 of 372	17	1322-FQHERLGQFSFIGKVQW-1338
232 of 372	17	1328-GQFSFIGKVQWKIFTPK-1344
233 of 372	17	1334-GKVQWKIFTPKSEFEFA-1350
234 of 372	17	1340-IFTPKSEFEFADMYTSK-1356
235 of 372	17	1345-SEFEFADMYTSKFLELW-1361
236 of 372	17	1351-DMYTSKFLELWSSQHVT-1367
237 of 372	16	1357-FLELWSSQHVTYDYII-1372
238 of 372	17	1362-SSQHVTYDYIIPKGRDN-1378
239 of 372	17	1368-YDYIIPKGRDNLLIYLV-1384
240 of 372	16	1374-KGRDNLLIYLVRKLND-1389
241 of 372	17	1379-LLIYLVRKLNDPSIVTA-1395
242 of 372	15	1385-RKLNDPSIVTAMTMQ-1399
243 of 372	17	1389-DPSIVTAMTMQSPLQLR-1405
244 of 372	17	1395-AMTMQSPLQLRFRMQAK-1411
245 of 372	16	1401-PLQLRFRMQAKQHMKV-1416
246 of 372	17	1406-FRMQAKQHMKVCRLDGE-1422
247 of 372	17	1411-KQHMKVCRLDGEWVTFR-1427
248 of 372	17	1417-CRLDGEWVTFREVLAAA-1433
249 of 372	17	1423-WVTFREVLAAANSFAEN-1439
250 of 372	17	1429-VLAAANSFAENYSATSQ-1445
251 of 372	17	1435-SFAENYSATSQDMDLFQ-1451
252 of 372	17	1441-SATSQDMDLFQTLTSCT-1457
253 of 372	17	1447-MDLFQTLTSCTFSKEYA-1463
254 of 372	17	1453-LTSCTFSKEYAWKDFLN-1469
255 of 372	17	1459-SKEYAWKDFLNGIHCDV-1475
256 of 372	17	1465-KDFLNGIHCDVIPTKQV-1481
257 of 372	17	1471-IHCDVIPTKQVQRAKVA-1487
258 of 372	17	1477-PTKQVQRAKVARTFTVR-1493
259 of 372	17	1483-RAKVARTFTVREKDQII-1499
260 of 372	17	1489-TFTVREKDQIIQNSIPA-1505

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Table 1		
Peptide	**Length**	**Sequence**
261 of 372	17	1495-KDQIIQNSIPAVIGYKF-1511
262 of 372	17	1501-NSIPAVIGYKFAVTVEE-1517
263 of 372	17	1507-IGYKFAVTVEEMSDVLD-1523
264 of 372	17	1513-VTVEEMSDVLDTAKFPD-1529
265 of 372	17	1519-SDVLDTAKFPDSLSVDL-1535
266 of 372	17	1525-AKFPDSLSVDLKTMKDG-1541
267 of 372	17	1531-LSVDLKTMKDGVYRELG-1547
268 of 372	16	1537-TMKDGVYRELGLDISL-1552
269 of 372	17	1542-VYRELGLDISLPDVMKR-1558
270 of 372	17	1548-LDISLPDVMKRIAPMLY-1564
271 of 372	17	1554-DVMKRIAPMLYKSSKSR-1570
272 of 372	17	1560-APMLYKSSKSRVVIVQG-1576
273 of 372	17	1566-SSKSRVVIVQGNVEGTA-1582
274 of 372	17	1572-VIVQGNVEGTAEAICRY-1588
275 of 372	16	1578-VEGTAEAICRYWLKSM-1593
276 of 372	17	1582-AEAICRYWLKSMSLVKT-1598
277 of 372	17	1588-YWLKSMSLVKTIRVKPH-1604
278 of 372	17	1594-SLVKTIRVKPHKEVLQA-1610
279 of 372	17	1600-RVKPHKEVLQAVSIFNR-1616
280 of 372	17	1605-KEVLQAVSIFNRKEDIG-1621
281 of 372	17	1611-VSIFNRKEDIGQQKDLA-1627
282 of 372	17	1617-KEDIGQQKDLAALKLCI-1633
283 of 372	17	1621-GQQKDLAALKLCIEVWR-1637
284 of 372	16	1627-AALKLCIEVWRWCKAN-1642
285 of 372	17	1632-CIEVWRWCKANSAPYRD-1648
286 of 372	17	1638-WCKANSAPYRDWFQALW-1654
287 of 372	17	1644-APYRDWFQALWFEDKTF-1660
288 of 372	17	1650-FQALWFEDKTFSEWLDR-1666
289 of 372	17	1655-FEDKTFSEWLDRFCRVG-1671
290 of 372	16	1661-SEWLDRFCRVGVPPID-1676
291 of 372	17	1666-RFCRVGVPPIDPEIQCA-1682
292 of 372	17	1672-VPPIDPEIQCAALMIAD-1688
293 of 372	17	1677-PEIQCAALMIADIKGDY-1693
294 of 372	17	1683-ALMIADIKGDYSVLQLQ-1699
295 of 372	17	1689-IKGDYSVLQLQANRRAY-1705
296 of 372	17	1695-VLQLQANRRAYSGKQYD-1711
297 of 372	17	1701-NRRAYSGKQYDAYCVQT-1717
298 of 372	17	1707-GKQYDAYCVQTYNEVTK-1723
299 of 372	17	1713-YCVQTYNEVTKLYEGDL-1729
300 of 372	17	1719-NEVTKLYEGDLRVTFNF-1735
301 of 372	17	1725-YEGDLRVTFNFGLDCAR-1741
302 of 372	17	1731-VTFNFGLDCARLEIFWD-1747
303 of 372	17	1737-LDCARLEIFWDKKAYIL-1753
304 of 372	17	1742-LEIFWDKKAYILETSIT-1758
305 of 372	17	1748-KKAYILETSITQKHVLK-1764

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Table 1		
Peptide	**Length**	**Sequence**
306 of 372	17	1753-LETSITQKHVLKIMMDE-1769
307 of 372	17	1758-TQKHVLKIMMDEVSKEL-1774
308 of 372	17	1764-KIMMDEVSKELIKCGMR-1780
309 of 372	17	1770-VSKELIKCGMRFNTEQV-1786
310 of 372	17	1776-KCGMRFNTEQVQGVRHM-1792
311 of 372	17	1782-NTEQVQGVRHMVLFKTE-1798
312 of 372	17	1788-GVRHMVLFKTESGFEWG-1804
313 of 372	15	1794-LFKTESGFEWGKPNI-1808
314 of 372	17	1797-TESGFEWGKPNIPCIVY-1813
315 of 372	17	1803-WGKPNIPCIVYKNCVLR-1819
316 of 372	17	1809-PCIVYKNCVLRTSLRTT-1825
317 of 372	17	1815-NCVLRTSLRTTQAINHK-1831
318 of 372	17	1821-SLRTTQAINHKFMITIK-1837
319 of 372	17	1827-AINHKFMITIKDDGLRA-1843
320 of 372	17	1833-MITIKDDGLRAIAQHDE-1849
321 of 372	17	1839-DGLRAIAQHDEDSPRFL-1855
322 of 372	17	1845-AQHDEDSPRFLLAHAFH-1861
323 of 372	17	1851-SPRFLLAHAFHTIRDIR-1867
324 of 372	17	1857-AHAFHTIRDIRYQAVDA-1873
325 of 372	17	1863-IRDIRYQAVDAVSNVWF-1879
326 of 372	17	1868-YQAVDAVSNVWFIHKGV-1884
327 of 372	16	1874-VSNVWFIHKGVKLYLN-1889
328 of 372	17	1879-FIHKGVKLYLNPIISSG-1895
329 of 372	17	1885-KLYLNPIISSGLLENFM-1901
330 of 372	17	1891-IISSGLLENFMKNLPAA-1907
331 of 372	17	1897-LENFMKNLPAAIPPAAY-1913
332 of 372	17	1903-NLPAAIPPAAYSLIMNR-1919
333 of 372	17	1909-PPAAYSLIMNRAKISVD-1925
334 of 372	17	1915-LIMNRAKISVDLFMFND-1931
335 of 372	17	1921-KISVDLFMFNDLLKLIN-1937
336 of 372	17	1927-FMFNDLLKLINPRNTLD-1943
337 of 372	17	1933-LKLINPRNTLDLSGLET-1949
338 of 372	16	1939-RNTLDLSGLETTGDEF-1954
339 of 372	17	1944-LSGLETTGDEFSTVSSM-1960
340 of 372	16	1950-TGDEFSTVSSMSSRLW-1965
341 of 372	17	1955-STVSSMSSRLWSEEMSL-1971
342 of 372	17	1961-SSRLWSEEMSLVDDDEE-1977
343 of 372	17	1966-SEEMSLVDDDEELDDEF-1982
344 of 372	17	1972-VDDDEELDDEFTIDLQD-1988
345 of 372	17	1978-LDDEFTIDLQDVDFENI-1994
346 of 372	17	1984-IDLQDVDFENIDIEADI-2000
347 of 372	17	1990-DFENIDIEADIEHFLQD-2006
348 of 372	17	1996-IEADIEHFLQDESSYTG-2012
349 of 372	17	2002-HFLQDESSYTGDLLIST-2018
350 of 372	17	2008-SSYTGDLLISTEETESK-2024

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Table 1		
Peptide	**Length**	**Sequence**
351 of 372	17	2014-LLISTEETESKKMRGIV-2030
352 of 372	17	2018-TEETESKKMRGIVKILE-2034
353 of 372	17	2024-KKMRGIVKILEPVRLIK-2040
354 of 372	17	2030-VKILEPVRLIKSWVSRG-2046
355 of 372	17	2036-VRLIKSWVSRGLSIEKV-2052
356 of 372	17	2042-WVSRGLSIEKVYSPVNI-2058
357 of 372	17	2048-SIEKVYSPVNIILMSRY-2064
358 of 372	17	2054-SPVNIILMSRYISKTFN-2070
359 of 372	17	2060-LMSRYISKTFNLSTKQV-2076
360 of 372	17	2066-SKTFNLSTKQVSLLDPY-2082
361 of 372	17	2072-STKQVSLLDPYDLTELE-2088
362 of 372	17	2078-LLDPYDLTELESIVRGW-2094
363 of 372	17	2084-LTELESIVRGWGECVID-2100
364 of 372	17	2090-IVRGWGECVIDQFESLD-2106
365 of 372	17	2095-GECVIDQFESLDREAQN-2111
366 of 372	17	2100-DQFESLDREAQNMVVNK-2116
367 of 372	17	2106-DREAQNMVVNKGICPED-2122
368 of 372	17	2112-MVVNKGICPEDVIPDSL-2128
369 of 372	17	2118-ICPEDVIPDSLFSFRHT-2134
370 of 372	17	2124-IPDSLFSFRHTMVLLRR-2140
371 of 372	16	2130-SFRHTMVLLRRLFPQD-2145
372 of 372	17	2135-MVLLRRLFPQDSISSFY-2151

Table 2			
Peptide	**Solubility**	**Solvent**	**Reconstitution pH, if required**
1 of 372	1 mg/mL	10% acetonitrile in water	pH 6
2 of 372	1 mg/mL	10% acetonitrile in water	pH 6
3 of 372	1 mg/mL	20% acetonitrile in water	pH 6
4 of 372	1 mg/mL	28% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
5 of 372	1 mg/mL	27% acetonitrile and 0.03% ammonium hydroxide in water	pH 9
6 of 372	1 mg/mL	10% acetonitrile in water	pH 6
7 of 372	1 mg/mL	10% acetonitrile in water	pH 6
8 of 372	1 mg/mL	10% acetonitrile in water	pH 6
9 of 372	1 mg/mL	20% acetonitrile in water	pH 6
10 of 372	1 mg/mL	20% acetonitrile in water	pH 6
11 of 372	1 mg/mL	30% acetonitrile in water	pH 6
12 of 372	1 mg/mL	20% acetonitrile in water	pH 6
13 of 372	1 mg/mL	10% acetonitrile in water	pH 6
14 of 372	1 mg/mL	10% acetonitrile in water	pH 6
15 of 372	1 mg/mL	10% acetonitrile in water	pH 6

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Table 2			
Peptide	**Solubility**	**Solvent**	**Reconstitution pH, if required**
16 of 372	1 mg/mL	10% acetonitrile in water	pH 6
17 of 372	1 mg/mL	20% acetonitrile in water	pH 6
18 of 372	1 mg/mL	5% ammonium hydroxide in water	pH 11
19 of 372	1 mg/mL	18% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
20 of 372	1 mg/mL	10% acetonitrile in water	pH 6
21 of 372	1 mg/mL	10% acetonitrile in water	pH 6
22 of 372	1 mg/mL	10% acetonitrile in water	pH 6
23 of 372	1 mg/mL	30% acetonitrile in water	pH 6
24 of 372	1 mg/mL	10% acetonitrile in water	pH 6
25 of 372	1 mg/mL	10% acetonitrile in water	pH 6
26 of 372	1 mg/mL	10% acetonitrile in water	pH 6
27 of 372	1 mg/mL	20% acetonitrile in water	pH 6
28 of 372	1 mg/mL	10% acetonitrile in water	pH 6
29 of 372	1 mg/mL	10% acetonitrile in water	pH 6
30 of 372	1 mg/mL	10% acetonitrile in water	pH 6
31 of 372	1 mg/mL	10% acetonitrile in water	pH 6
32 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
33 of 372	1 mg/mL	10% acetonitrile in water	pH 6
34 of 372	1 mg/mL	10% acetonitrile in water	pH 6
35 of 372	1 mg/mL	20% acetonitrile in water	pH 6
36 of 372	1 mg/mL	20% acetonitrile in water	pH 6
37 of 372	1 mg/mL	10% acetonitrile in water	pH 6
38 of 372	1 mg/mL	10% acetonitrile in water	pH 6
39 of 372	1 mg/mL	10% acetonitrile in water	pH 6
40 of 372	1 mg/mL	20% acetonitrile in water	pH 6
41 of 372	1 mg/mL	10% acetonitrile in water	pH 6
42 of 372	1 mg/mL	20% acetonitrile in water	pH 6
43 of 372	1 mg/mL	20% acetonitrile in water	pH 6
44 of 372	1 mg/mL	10% acetonitrile in water	pH 6
45 of 372	1 mg/mL	28% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
46 of 372	1 mg/mL	10% acetonitrile in water	pH 6
47 of 372	1 mg/mL	10% acetonitrile in water	pH 6
48 of 372	1 mg/mL	10% acetonitrile in water	pH 6
49 of 372	1 mg/mL	10% acetonitrile in water	pH 6
50 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
51 of 372	1 mg/mL	30% acetonitrile in water	pH 6
52 of 372	1 mg/mL	10% acetonitrile in water	pH 6
53 of 372	1 mg/mL	10% acetonitrile in water	pH 6
54 of 372	1 mg/mL	10% acetonitrile in water	pH 6
55 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
56 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
57 of 372	1 mg/mL	Water	
58 of 372	1 mg/mL	10% acetonitrile in water	pH 6

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Table 2			
Peptide	**Solubility**	**Solvent**	**Reconstitution pH, if required**
59 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
60 of 372	1 mg/mL	20% acetonitrile in water	pH 6
61 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
62 of 372	1 mg/mL	10% acetonitrile in water	pH 6
63 of 372	1 mg/mL	10% acetonitrile in water	pH 6
64 of 372	1 mg/mL	10% acetonitrile in water	pH 6
65 of 372	1 mg/mL	10% acetonitrile in water	pH 6
66 of 372	1 mg/mL	20% acetonitrile in water	pH 6
67 of 372	1 mg/mL	10% acetonitrile in water	pH 6
68 of 372	1 mg/mL	10% acetonitrile in water	pH 6
69 of 372	1 mg/mL	10% acetonitrile in water	pH 6
70 of 372	1 mg/mL	10% acetonitrile in water	pH 6
71 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
72 of 372	1 mg/mL	20% acetonitrile in water	pH 6
73 of 372	1 mg/mL	30% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
74 of 372	1 mg/mL	38% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
75 of 372	1 mg/mL	20% acetonitrile in water	pH 6
76 of 372	1 mg/mL	10% acetonitrile in water	pH 6
77 of 372	1 mg/mL	10% acetonitrile in water	pH 6
78 of 372	1 mg/mL	20% acetonitrile in water	pH 6
79 of 372	1 mg/mL	20% acetonitrile in water	pH 6
80 of 372	1 mg/mL	10% acetonitrile in water	pH 6
81 of 372	1 mg/mL	10% acetonitrile in water	pH 6
82 of 372	1 mg/mL	10% acetonitrile in water	pH 6
83 of 372	1 mg/mL	30% acetonitrile in water	pH 6
84 of 372	1 mg/mL	20% acetonitrile in water	pH 6
85 of 372	1 mg/mL	10% acetonitrile in water	pH 6
86 of 372	1 mg/mL	10% acetonitrile in water	pH 6
87 of 372	1 mg/mL	10% acetonitrile in water	pH 6
88 of 372	1 mg/mL	20% acetonitrile in water	pH 6
89 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
90 of 372	1 mg/mL	20% acetonitrile in water	pH 6
91 of 372	1 mg/mL	50% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
92 of 372	1 mg/mL	20% acetonitrile in water	pH 6
93 of 372	1 mg/mL	20% acetonitrile in water	pH 6
94 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
95 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
96 of 372	1 mg/mL	20% acetonitrile in water	pH 6
97 of 372	1 mg/mL	20% acetonitrile in water	pH 6
98 of 372	1 mg/mL	30% acetonitrile in water	pH 6
99 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
100 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2

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Table 2			
Peptide	**Solubility**	**Solvent**	**Reconstitution pH, if required**
101 of 372	1 mg/mL	18% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
102 of 372	1 mg/mL	18% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
103 of 372	1 mg/mL	20% acetonitrile in water	pH 6
104 of 372	1 mg/mL	20% acetonitrile in water	pH 6
105 of 372	1 mg/mL	50% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
106 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
107 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
108 of 372	1 mg/mL	20% acetonitrile in water	pH 6
109 of 372	1 mg/mL	20% acetonitrile in water	pH 6
110 of 372	1 mg/mL	20% acetonitrile in water	pH 6
111 of 372	1 mg/mL	20% acetonitrile in water	pH 6
112 of 372	1 mg/mL	20% acetonitrile in water	pH 6
113 of 372	1 mg/mL	20% acetonitrile in water	pH 6
114 of 372	1 mg/mL	40% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
115 of 372	1 mg/mL	50% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
116 of 372	1 mg/mL	20% acetonitrile in water	pH 6
117 of 372	1 mg/mL	10% acetonitrile in water	pH 6
118 of 372	1 mg/mL	10% acetonitrile in water	pH 6
119 of 372	1 mg/mL	10% acetonitrile in water	pH 6
120 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
121 of 372	1 mg/mL	10% acetonitrile in water	pH 6
122 of 372	1 mg/mL	10% acetonitrile in water	pH 6
123 of 372	1 mg/mL	20% acetonitrile in water	pH 6
124 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
125 of 372	1 mg/mL	40% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
126 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
127 of 372	1 mg/mL	10% acetonitrile in water	pH 6
128 of 372	1 mg/mL	10% acetonitrile in water	pH 6
129 of 372	1 mg/mL	10% acetonitrile in water	pH 6
130 of 372	1 mg/mL	10% acetonitrile in water	pH 6
131 of 372	1 mg/mL	10% acetonitrile in water	pH 6
132 of 372	1 mg/mL	20% acetonitrile in water	pH 6
133 of 372	1 mg/mL	20% acetonitrile in water	pH 6
134 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
135 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
136 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
137 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
138 of 372	1 mg/mL	30% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
139 of 372	1 mg/mL	10% acetonitrile in water	pH 6
140 of 372	1 mg/mL	10% acetonitrile in water	pH 6
141 of 372	1 mg/mL	10% acetonitrile in water	pH 6
142 of 372	1 mg/mL	20% acetonitrile in water	pH 6

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Table 2			
Peptide	**Solubility**	**Solvent**	**Reconstitution pH, if required**
143 of 372	1 mg/mL	10% acetonitrile in water	pH 6
144 of 372	1 mg/mL	10% acetonitrile in water	pH 6
145 of 372	1 mg/mL	10% acetonitrile in water	pH 6
146 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
147 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
148 of 372	1 mg/mL	30% acetonitrile in water	pH 6
149 of 372	1 mg/mL	20% acetonitrile in water	pH 6
150 of 372	1 mg/mL	10% acetonitrile in water	pH 6
151 of 372	1 mg/mL	10% acetonitrile in water	pH 6
152 of 372	1 mg/mL	10% acetonitrile in water	pH 6
153 of 372	1 mg/mL	10% acetonitrile in water	pH 6
154 of 372	1 mg/mL	10% acetonitrile in water	pH 6
155 of 372	1 mg/mL	10% acetonitrile in water	pH 6
156 of 372	1 mg/mL	20% acetonitrile in water	pH 6
157 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
158 of 372	1 mg/mL	20% acetonitrile in water	pH 6
159 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
160 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
161 of 372	1 mg/mL	20% acetonitrile in water	pH 6
162 of 372	1 mg/mL	20% acetonitrile in water	pH 6
163 of 372	1 mg/mL	10% acetonitrile in water	pH 6
164 of 372	1 mg/mL	20% acetonitrile in water	pH 6
165 of 372	1 mg/mL	28% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
166 of 372	1 mg/mL	10% acetonitrile in water	pH 6
167 of 372	1 mg/mL	10% acetonitrile in water	pH 6
168 of 372	1 mg/mL	10% acetonitrile in water	pH 6
169 of 372	1 mg/mL	10% acetonitrile in water	pH 6
170 of 372	1 mg/mL	10% acetonitrile in water	pH 6
171 of 372	1 mg/mL	10% acetonitrile in water	pH 6
172 of 372	1 mg/mL	10% acetonitrile in water	pH 6
173 of 372	1 mg/mL	10% acetonitrile in water	pH 6
174 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
175 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
176 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
177 of 372	1 mg/mL	20% acetonitrile in water	pH 6
178 of 372	1 mg/mL	10% acetonitrile in water	pH 6
179 of 372	1 mg/mL	10% acetonitrile in water	pH 6
180 of 372	1 mg/mL	10% acetonitrile in water	pH 6
181 of 372	1 mg/mL	20% acetonitrile in water	pH 6
182 of 372	1 mg/mL	10% acetonitrile in water	pH 6
183 of 372	1 mg/mL	10% acetonitrile in water	pH 6
184 of 372	1 mg/mL	10% acetonitrile in water	pH 6

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Table 2			
Peptide	**Solubility**	**Solvent**	**Reconstitution pH, if required**
185 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
186 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
187 of 372	1 mg/mL	50% acetonitrile in water	pH 6
188 of 372	1 mg/mL	20% acetonitrile in water	pH 6
189 of 372	1 mg/mL	40% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
190 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
191 of 372	1 mg/mL	30% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
192 of 372	1 mg/mL	20% acetonitrile in water	pH 6
193 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
194 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
195 of 372	1 mg/mL	20% acetonitrile and 0.03% ammonium hydroxide in water	pH 9
196 of 372	1 mg/mL	10% acetonitrile in water	pH 6
197 of 372	1 mg/mL	10% acetonitrile in water	pH 6
198 of 372	1 mg/mL	20% acetonitrile in water	pH 6
199 of 372	1 mg/mL	30% acetonitrile in water	pH 6
200 of 372	1 mg/mL	20% acetonitrile in water	pH 6
201 of 372	1 mg/mL	10% acetonitrile in water	pH 6
202 of 372	1 mg/mL	10% acetonitrile in water	pH 6
203 of 372	1 mg/mL	10% acetonitrile in water	pH 6
204 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
205 of 372	1 mg/mL	40% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
206 of 372	1 mg/mL	40% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
207 of 372	1 mg/mL	40% acetonitrile in water	pH 6
208 of 372	1 mg/mL	20% acetonitrile in water	pH 6
209 of 372	1 mg/mL	20% acetonitrile in water	pH 6
210 of 372	1 mg/mL	10% acetonitrile in water	pH 6
211 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
212 of 372	1 mg/mL	10% acetonitrile in water	pH 6
213 of 372	1 mg/mL	30% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
214 of 372	1 mg/mL	40% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
215 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
216 of 372	1 mg/mL	10% acetonitrile in water	pH 6
217 of 372	1 mg/mL	10% acetonitrile in water	pH 6
218 of 372	1 mg/mL	10% acetonitrile in water	pH 6
219 of 372	1 mg/mL	10% acetonitrile in water	pH 6
220 of 372	1 mg/mL	10% acetonitrile in water	pH 6
221 of 372	1 mg/mL	28% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
222 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
223 of 372	1 mg/mL	10% acetonitrile in water	pH 6
224 of 372	1 mg/mL	10% acetonitrile in water	pH 6
225 of 372	1 mg/mL	10% acetonitrile in water	pH 6
226 of 372	1 mg/mL	20% acetonitrile in water	pH 6

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Table 2			
Peptide	**Solubility**	**Solvent**	**Reconstitution pH, if required**
227 of 372	1 mg/mL	20% acetonitrile in water	pH 6
228 of 372	1 mg/mL	50% formic acid in acetonitrile	pH 1
229 of 372	1 mg/mL	20% acetonitrile in water	pH 6
230 of 372	1 mg/mL	10% acetonitrile in water	pH 6
231 of 372	1 mg/mL	20% acetonitrile in water	pH 6
232 of 372	1 mg/mL	20% acetonitrile in water	pH 6
233 of 372	1 mg/mL	10% acetonitrile in water	pH 6
234 of 372	1 mg/mL	10% acetonitrile in water	pH 6
235 of 372	1 mg/mL	30% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
236 of 372	1 mg/mL	40% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
237 of 372	1 mg/mL	30% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
238 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
239 of 372	1 mg/mL	20% acetonitrile in water	pH 6
240 of 372	1 mg/mL	10% acetonitrile in water	pH 6
241 of 372	1 mg/mL	20% acetonitrile in water	pH 6
242 of 372	1 mg/mL	20% acetonitrile in water	pH 6
243 of 372	1 mg/mL	20% acetonitrile in water	pH 6
244 of 372	1 mg/mL	10% acetonitrile in water	pH 6
245 of 372	1 mg/mL	10% acetonitrile in water	pH 6
246 of 372	1 mg/mL	10% acetonitrile in water	pH 6
247 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
248 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
249 of 372	1 mg/mL	28% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
250 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
251 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
252 of 372	1 mg/mL	28% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
253 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
254 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
255 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
256 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
257 of 372	1 mg/mL	5% ammonium hydroxide in water	pH 11
258 of 372	1 mg/mL	10% acetonitrile in water	pH 6
259 of 372	1 mg/mL	10% acetonitrile in water	pH 6
260 of 372	1 mg/mL	10% acetonitrile in water	pH 6
261 of 372	1 mg/mL	20% acetonitrile in water	pH 6
262 of 372	1 mg/mL	20% acetonitrile in water	pH 6
263 of 372	1 mg/mL	28% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
264 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
265 of 372	1 mg/mL	10% acetonitrile in water	pH 6
266 of 372	1 mg/mL	10% acetonitrile in water	pH 6
267 of 372	1 mg/mL	10% acetonitrile in water	pH 6
268 of 372	1 mg/mL	20% acetonitrile in water	pH 6

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Table 2			
Peptide	**Solubility**	**Solvent**	**Reconstitution pH, if required**
269 of 372	1 mg/mL	20% acetonitrile in water	pH 6
270 of 372	1 mg/mL	20% acetonitrile in water	pH 6
271 of 372	1 mg/mL	10% acetonitrile in water	pH 6
272 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
273 of 372	1 mg/mL	20% acetonitrile in water	pH 6
274 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
275 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
276 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
277 of 372	1 mg/mL	10% acetonitrile in water	pH 6
278 of 372	1 mg/mL	10% acetonitrile in water	pH 6
279 of 372	1 mg/mL	10% acetonitrile in water	pH 6
280 of 372	1 mg/mL	10% acetonitrile in water	pH 6
281 of 372	1 mg/mL	10% acetonitrile in water	pH 6
282 of 372	1 mg/mL	20% acetonitrile in water	pH 6
283 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
284 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
285 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
286 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
287 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
288 of 372	1 mg/mL	30% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
289 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
290 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
291 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
292 of 372	1 mg/mL	30% acetonitrile in water	pH 6
293 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
294 of 372	1 mg/mL	27% acetonitrile and 0.03% ammonium hydroxide in water	pH 9
295 of 372	1 mg/mL	10% acetonitrile in water	pH 6
296 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
297 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
298 of 372	1 mg/mL	10% acetonitrile in water	pH 6
299 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
300 of 372	1 mg/mL	40% acetonitrile in water	pH 6
301 of 372	1 mg/mL	30% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
302 of 372	1 mg/mL	30% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
303 of 372	1 mg/mL	20% acetonitrile in water	pH 6
304 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
305 of 372	1 mg/mL	10% acetonitrile in water	pH 6
306 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
307 of 372	1 mg/mL	20% acetonitrile in water	pH 6
308 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
309 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
310 of 372	1 mg/mL	10% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2

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Table 2			
Peptide	**Solubility**	**Solvent**	**Reconstitution pH, if required**
311 of 372	1 mg/mL	10% acetonitrile in water	pH 6
312 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
313 of 372	1 mg/mL	10% acetonitrile in water	pH 6
314 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
315 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
316 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
317 of 372	1 mg/mL	10% acetonitrile in water	pH 6
318 of 372	1 mg/mL	10% acetonitrile in water	pH 6
319 of 372	1 mg/mL	10% acetonitrile in water	pH 6
320 of 372	1 mg/mL	10% acetonitrile in water	pH 6
321 of 372	1 mg/mL	10% acetonitrile in water	pH 6
322 of 372	1 mg/mL	10% acetonitrile in water	pH 6
323 of 372	1 mg/mL	10% acetonitrile in water	pH 6
324 of 372	1 mg/mL	10% acetonitrile in water	pH 6
325 of 372	1 mg/mL	38% acetonitrile and 2% formic acid in water	pH 4
326 of 372	1 mg/mL	10% acetonitrile in water	pH 6
327 of 372	1 mg/mL	10% acetonitrile in water	pH 6
328 of 372	1 mg/mL	10% acetonitrile in water	pH 6
329 of 372	1 mg/mL	30% acetonitrile in water	pH 6
330 of 372	1 mg/mL	10% acetonitrile in water	pH 6
331 of 372	1 mg/mL	10% acetonitrile in water	pH 6
332 of 372	1 mg/mL	20% acetonitrile in water	pH 6
333 of 372	1 mg/mL	10% acetonitrile in water	pH 6
334 of 372	1 mg/mL	40% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
335 of 372	1 mg/mL	50% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
336 of 372	1 mg/mL	20% acetonitrile in water	pH 6
337 of 372	1 mg/mL	10% acetonitrile in water	pH 6
338 of 372	1 mg/mL	10% acetonitrile in water	pH 6
339 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
340 of 372	1 mg/mL	20% acetonitrile in water	pH 6
341 of 372	1 mg/mL	18% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
342 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
343 of 372	1 mg/mL	18% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
344 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
345 of 372	1 mg/mL	28% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
346 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
347 of 372	1 mg/mL	28% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
348 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
349 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
350 of 372	1 mg/mL	10% acetonitrile in water	pH 6
351 of 372	1 mg/mL	10% acetonitrile in water	pH 6
352 of 372	1 mg/mL	10% acetonitrile in water	pH 6

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Table 2			
Peptide	**Solubility**	**Solvent**	**Reconstitution pH, if required**
353 of 372	1 mg/mL	10% acetonitrile in water	pH 6
354 of 372	1 mg/mL	20% acetonitrile in water	pH 6
355 of 372	1 mg/mL	10% acetonitrile in water	pH 6
356 of 372	1 mg/mL	10% acetonitrile in water	pH 6
357 of 372	1 mg/mL	30% acetonitrile in water	pH 6
358 of 372	1 mg/mL	20% acetonitrile in water	pH 6
359 of 372	1 mg/mL	10% acetonitrile in water	pH 6
360 of 372	1 mg/mL	10% acetonitrile in water	pH 6
361 of 372	1 mg/mL	10% acetonitrile in water	pH 6
362 of 372	1 mg/mL	20% acetonitrile in water	pH 6
363 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
364 of 372	1 mg/mL	20% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
365 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
366 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
367 of 372	1 mg/mL	10% acetonitrile and 0.02% ammonium hydroxide in water	pH 8
368 of 372	1 mg/mL	20% acetonitrile and 0.1% trifluoroacetic acid in water	pH 2
369 of 372	1 mg/mL	20% acetonitrile in water	pH 6
370 of 372	1 mg/mL	20% acetonitrile in water	pH 6
371 of 372	1 mg/mL	10% acetonitrile in water	pH 6
372 of 372	1 mg/mL	20% acetonitrile in water	pH 6

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