

Peptide Array, Dengue Virus Type 4 (DEN-4), Singapore/8976/1995, NS1 Protein

Catalog No. NR-2755

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Product Description: The 61-peptide array spans the NS1 protein of Dengue virus type 4, Singapore/8976/1995 (GenPept: AAV31422). Peptides are 13- to 17-mers, with 11 or 12 amino acid overlaps.

Lot: N1030-1 to N1030-61

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 two tables below.

Table 1							
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
1 of 61	11/3/2006	16	1 DMGCVVSWGKELKCG 16	1699.01	0.04	88.3%	83.2%
2 of 61	11/3/2006	17	6 VSWGKELKCGSGIFVA 22	1768.08	0.47	97.4%	83.8%
3 of 61	11/3/2006	17	11 KELKCGSGIFVADNVHT 27	1818.10	0	98.1%	80.0%
4 of 61	11/3/2006	17	17 SGIFVADNVHTWTEQYK 33	1995.20	-0.49	98.7%	85.4%
5 of 61	11/3/2006	15	23 DNVHTWTEQYKFQPE 37	1922.06	-1.75	96.3%	84.9%
6 of 61	11/3/2006	17	27 TWTEQYKFQPESPARLA 43	2052.29	-1.16	92.6%	85.7%
7 of 61	11/3/2006	17	33 KFQPESPARLASAILNA 49	1813.10	-0.09	99.9%	84.1%
8 of 61	11/3/2006	16	39 PARLASAILNAHKDGV 54	1632.90	0.13	92.3%	78.2%
9 of 61	11/3/2006	17	44 SAILNAHKDGVCGIRST 60	1742.00	0.08	98.0%	79.3%
10 of 61	11/3/2006	17	50 HKDGVCGIRSTTRLENV 66	1885.15	-0.61	98.3%	76.8%
11 of 61	11/3/2006	17	56 GIRSTTRLENVMWKQIT 72	2033.40	-0.51	95.9%	81.7%
12 of 61	11/3/2006	17	62 RLENVMWKQITNELNYV 78	2150.50	-0.58	100.0%	86.3%
13 of 61	11/3/2006	17	68 WKQITNELNYVLWEGGH 84	2087.34	-0.76	97.1%	85.9%
14 of 61	11/3/2006	17	73 NELNYVLWEGGHDLTVV 89	1958.17	-0.02	89.5%	89.6%
15 of 61	11/3/2006	17	79 LWEGGHDLTVVAGDVKG 95	1752.96	0.07	84.7%	83.7%
16 of 61	11/3/2006	17	85 DLTVVAGDVKGVLTKGK 101	1700.02	0.29	100.0%	78.9%
17 of 61	11/3/2006	15	91 GDVKGVLTKGKRALT 105	1542.86	-0.3	100.0%	73.0%
18 of 61	11/3/2006	17	95 GVLTKGKRALTTPVNDL 111	1779.13	-0.18	99.4%	79.6%
19 of 61	11/3/2006	17	101 KRALTTPVNDLKYSWKT 117	2017.38	-1.01	100.0%	78.0%
20 of 61	11/3/2006	17	107 PVNDLKYSWKTWGKAKI 123	2034.41	-0.88	85.4%	78.1%
21 of 61	11/3/2006	17	113 YSWKTWGKAKIFTPEAR 129	2069.41	-0.95	88.9%	78.4%
22 of 61	11/3/2006	17	119 GKAKIFTPEARNTFLI 135	1893.23	-0.09	98.7%	80.6%

Table 1

Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
23 of 61	11/3/2006	16	125 TPEAR NSTFLIDGPD T 140	1733.87	-0.76	96.9%	88.4%
24 of 61	11/3/2006	17	130 NSTFLIDGPD TSECPNE 146	1838.94	-0.82	98.7%	89.0%
25 of 61	11/3/2006	17	136 DGPDTSECPNERRAWNF 152	1994.10	-1.7	98.7%	85.4%
26 of 61	11/3/2006	17	141 SECPNERRAWNFLEVED 157	2094.26	-1.28	93.9%	86.0%
27 of 61	11/3/2006	17	147 RRAWNFLEVEDYGF GMF 163	2137.42	-0.35	93.1%	86.2%
28 of 61	11/3/2006	17	153 LEVEDYGF GMFTTNIWM 169	2053.36	0.21	97.2%	90.0%
29 of 61	11/3/2006	16	159 GF GMFTTNIWMKFREG 174	1922.27	-0.14	95.2%	84.9%
30 of 61	11/3/2006	17	164 TTNIWMKFREGSSEVCD 180	2003.26	-0.64	89.4%	85.4%
31 of 61	11/3/2006	17	170 KFREGSSEVCDHRLMSA 186	1952.21	-0.73	89.8%	77.4%
32 of 61	11/3/2006	17	176 SEVCDHRLMSAAIKDQK 192	1931.24	-0.62	96.0%	77.2%
33 of 61	11/3/2006	17	182 RLMSAAIKDQKAVHAD M 198	1885.25	-0.19	97.9%	76.8%
34 of 61	11/3/2006	16	188 IKDQKAVHADMGYWIE 203	1904.19	-0.56	97.7%	80.7%
35 of 61	11/3/2006	17	193 AVHADMGYWIESSKNQT 209	1937.13	-0.69	81.9%	85.0%
36 of 61	11/3/2006	17	199 GYWIESSKNQTWQIEKA 215	2068.29	-1.19	89.9%	85.8%
37 of 61	11/3/2006	17	205 SKNQTWQIEKASLIEVK 221	2002.32	-0.8	87.6%	81.5%
38 of 61	11/3/2006	16	210 WQIEKASLIEVK TCLW 225	1947.34	0.22	90.2%	85.1%
39 of 61	11/3/2006	17	215 ASLIEVK TCLWPKHTL 231	1940.35	0.26	94.7%	81.0%
40 of 61	11/3/2006	17	221 KTCLWPKHTLWSNGVL 237	1984.37	-0.18	89.1%	81.3%
41 of 61	11/3/2006	17	227 KHTLWSNGVLESQMLI 243	1957.30	0.01	91.3%	85.1%
42 of 61	11/3/2006	17	233 SNGVLESQMLIPKSYAG 249	1794.07	-0.03	95.0%	88.7%
43 of 61	11/3/2006	17	239 SQMLIPKSYAGPFSQHN 255	1905.18	-0.59	90.4%	84.8%
44 of 61	11/3/2006	17	245 KSYAGPFSQHNYRQGYA 261	1974.14	-1.39	99.0%	81.2%
45 of 61	11/3/2006	16	251 FSQHNYRQGYATQTVG 266	1856.99	-1.16	80.0%	84.4%
46 of 61	11/3/2006	17	256 YRQGYATQTVGPWHLGK 272	1962.22	-0.97	86.0%	81.1%
47 of 61	11/3/2006	17	262 TQTVGPWHLGKLEIDFG 278	1898.17	-0.21	97.6%	84.7%
48 of 61	11/3/2006	17	268 WHLGKLEIDFGECPGTT 284	1903.16	-0.31	91.3%	84.8%
49 of 61	11/3/2006	17	273 LEIDFGECPGTTVTIQE 289	1852.06	0.02	87.2%	89.0%
50 of 61	11/3/2006	17	278 GECPGTTVTIQEDCDHR 294	1861.01	-0.94	94.8%	84.5%
51 of 61	11/3/2006	17	284 TVTIQEDCDHRGPSLRT 300	1928.13	-0.95	90.9%	80.9%
52 of 61	11/3/2006	17	290 DCDHRGPSLRTTASGK 306	1801.97	-1.24	89.0%	76.0%
53 of 61	11/3/2006	16	296 PSLRTTASGKLV TQW 311	1746.01	-0.35	96.3%	83.6%
54 of 61	11/3/2006	17	301 TTASGKLV TQWCCR SCT 317	1845.16	-0.02	92.5%	84.4%
55 of 61	11/3/2006	17	307 LVTQWCCR SCTMPPLRF 323	2041.53	0.31	93.6%	85.7%
56 of 61	11/3/2006	16	313 CR SCTMPPLRFLGEDG 328	1782.11	-0.26	97.3%	83.9%
57 of 61	11/3/2006	17	318 MPPLRFLGEDGCWYGME 334	2001.35	-0.29	81.4%	89.8%
58 of 61	11/3/2006	17	324 LGEDGCWYGMEIRPLSE 340	1955.21	-0.46	88.8%	89.6%
59 of 61	11/3/2006	17	330 WYGMEIRPLSEKEENMV 346	2111.44	-0.86	96.6%	86.1%
60 of 61	11/3/2006	17	336 RPLSEKEENMVKSQVTA 352	1946.23	-1.05	96.2%	81.0%
61 of 61	11/3/2006	13	341 KEENMVKSQV TAG 353	1420.62	-0.89	94.8%	80.6%

^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 61	Expected			1.00	2.00	1.00	3.00			1.00	2.00	1.00			2.00		1.00		2.00
	Actual			0.78	0.75 ^a	0.99	3.05			1.00	1.96	0.84			1.71		0.00 ^c		1.26 ^b
2 of 61	Expected	1.00			1.00	1.00	3.00		1.00	1.00	2.00		1.00		3.00		1.00		2.00
	Actual	1.00			0.50 ^a	1.03	3.29		0.90	1.02	1.73		0.93		2.79		0.00 ^c		1.83
3 of 61	Expected	1.00		2.00	1.00	1.00	2.00	1.00	1.00	1.00	2.00		1.00		1.00	1.00			2.00
	Actual	0.94		2.02	0.45 ^a	0.93	2.21	0.94	0.82	1.02	1.73		0.81		0.93	1.00			2.22
4 of 61	Expected	1.00		2.00		2.00	1.00	1.00	1.00		1.00		1.00		1.00	2.00	1.00	1.00	2.00
	Actual	1.13		1.87		1.85	1.10	1.00	0.92		0.89		0.89		0.98	1.83	0.00 ^c	1.12	1.76
5 of 61	Expected			2.00		4.00		1.00			1.00		1.00	1.00		2.00	1.00	1.00	1.00
	Actual			1.85		3.67		1.00			0.93		0.98	1.21		1.75	0.00 ^c	1.20	1.07
6 of 61	Expected	2.00	1.00			4.00				1.00	1.00		1.00	2.00	1.00	2.00	1.00	1.00	
	Actual	1.87	0.97			3.97				0.92	1.06		1.05	2.00	0.93	1.89	0.00 ^c	0.91	
7 of 61	Expected	4.00	1.00	1.00		2.00			1.00	2.00	1.00		1.00	2.00	2.00				
	Actual	3.67	1.20	0.95		1.80			0.91	1.74	0.87		1.02	2.00	1.95				
8 of 61	Expected	4.00	1.00	2.00			1.00	1.00	1.00	2.00	1.00			1.00	1.00				1.00
	Actual	3.66	1.00	1.65			1.03	1.13	0.84	1.61	0.80			1.00	0.94				0.92
9 of 61	Expected	2.00	1.00	2.00	1.00		2.00	1.00	2.00	1.00	1.00				2.00	1.00			1.00
	Actual	1.93	0.91	1.80	0.45 ^a		2.22	1.28	1.65	0.91	0.85				1.97	1.08			1.00
10 of 61	Expected		2.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00				1.00	2.00			2.00
	Actual		1.84	1.80	0.49 ^a	1.00	2.03	0.89	0.97	1.04	1.00				0.98	1.89			1.90
11 of 61	Expected		2.00	1.00		2.00	1.00		2.00	1.00	1.00	1.00			1.00	3.00	1.00		1.00
	Actual		2.00	1.01		1.86	1.13		1.74	1.00	0.77	0.81			0.97	2.68	0.00 ^c		0.96
12 of 61	Expected		1.00	3.00		3.00			1.00	2.00	1.00	1.00				1.00	1.00	1.00	2.00
	Actual		1.08	2.91		2.82			0.91	1.89	0.94	0.98				0.99	0.00 ^c	1.00	1.64
13 of 61	Expected			2.00		3.00	2.00	1.00	1.00	2.00	1.00					1.00	2.00	1.00	1.00
	Actual			2.00		2.85	2.24	1.24	0.86	1.74	0.97					0.90	0.00 ^c	0.90	0.78
14 of 61	Expected			3.00		2.00	2.00	1.00		3.00						1.00	1.00	1.00	3.00
	Actual			2.74		1.74	1.99	1.14		2.70						0.83	0.00 ^c	1.00	2.11 ^b
15 of 61	Expected	1.00		2.00		1.00	4.00	1.00		2.00	1.00					1.00	1.00		3.00
	Actual	1.00		1.85		0.99	4.05	1.16		1.95	0.92					0.94	0.00 ^c		2.00 ^b
16 of 61	Expected	1.00		2.00			3.00			2.00	3.00					2.00			4.00
	Actual	1.00		1.86			3.26			1.78	3.06					1.80			2.42 ^b
17 of 61	Expected	1.00	1.00	1.00			3.00			2.00	3.00					2.00			2.00
	Actual	1.00	1.07	0.96			3.07			1.76	2.88					1.77			1.63
18 of 61	Expected	1.00	1.00	2.00			2.00			3.00	2.00			2.00		2.00			2.00
	Actual	0.97	1.00	1.78			2.10			2.76	1.72			1.71		1.66			1.76
19 of 61	Expected	1.00	1.00	2.00						2.00	3.00			2.00	1.00	2.00	1.00	1.00	1.00
	Actual	1.09	1.08	1.97						1.82	2.69			2.00	1.01	1.95	0.00 ^c	0.94	1.01
20 of 61	Expected	1.00		2.00			1.00		1.00	1.00	4.00			1.00	1.00	1.00	2.00	1.00	1.00
	Actual	0.89		1.61			1.15		0.73	0.85	3.67			1.00	0.91	0.78	0.00 ^c	0.92	0.73
21 of 61	Expected	2.00	1.00			1.00	1.00		1.00		3.00		1.00	1.00	1.00	2.00	2.00	1.00	
	Actual	1.78	1.00			0.96	1.09		0.74		2.88		0.80	1.02	0.99	1.77	0.00 ^c	0.92	
22 of 61	Expected	2.00	1.00	1.00		1.00	1.00		2.00	1.00	2.00		2.00	1.00	1.00	2.00			
	Actual	1.95	1.04	1.04		1.04	1.13		1.65	0.95	1.76		1.87	1.00	0.96	1.82			
23 of 61	Expected	1.00	1.00	3.00		1.00	1.00		1.00	1.00			1.00	2.00	1.00	3.00			
	Actual	1.00	1.00	2.72		1.00	1.09		0.85	0.90			0.83	1.71	0.90	2.57			
24 of 61	Expected			4.00	1.00	2.00	1.00		1.00	1.00			1.00	2.00	2.00	2.00			
	Actual			3.80	0.51 ^a	1.85	1.09		1.01	1.06			0.99	1.97	2.00	1.75			

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 61	Expected	1.00	2.00	4.00	1.00	2.00	1.00						1.00	2.00	1.00	1.00	1.00		
	Actual	1.05	2.00	3.79	0.52 ^a	1.86	1.16						0.93	1.85	0.97	1.01	0.00 ^c		
26 of 61	Expected	1.00	2.00	3.00	1.00	4.00				1.00			1.00	1.00	1.00		1.00		1.00
	Actual	1.00	2.09	2.72	0.59 ^a	3.88				0.93			0.94	1.06	0.92		0.00 ^c		0.90
27 of 61	Expected	1.00	2.00	2.00		2.00	2.00			1.00		1.00	3.00				1.00	1.00	1.00
	Actual	0.92	2.00	1.83		1.73	2.16			0.88		0.89	2.77				0.00 ^c	1.00	0.83
28 of 61	Expected			2.00		2.00	2.00		1.00	1.00		2.00	2.00			2.00	1.00	1.00	1.00
	Actual			1.99		2.05	2.20		0.75	0.99		1.77	1.99			1.89	0.00 ^c	0.92	0.99
29 of 61	Expected		1.00	1.00		1.00	3.00		1.00		1.00	2.00	3.00			2.00	1.00		
	Actual		0.76	0.96		0.82	3.00		0.97		0.90	1.84	2.66			2.09	0.00 ^c		
30 of 61	Expected		1.00	2.00	1.00	2.00	1.00		1.00		1.00	1.00	1.00		2.00	2.00	1.00		1.00
	Actual		1.14	1.71	0.49 ^a	1.78	1.20		0.90		0.83	1.06	1.00		1.78	1.76	0.00 ^c		0.86
31 of 61	Expected	1.00	2.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00		3.00				1.00
	Actual	0.94	2.35	1.00	0.45 ^a	1.96	1.15	1.23		1.00	0.95	0.82	1.00		2.79				0.94
32 of 61	Expected	2.00	1.00	2.00	1.00	2.00		1.00	1.00	1.00	2.00	1.00			2.00				1.00
	Actual	1.89	1.28	1.81	0.54 ^a	1.81		1.26	0.90	1.08	1.73	1.14			1.98				1.00
33 of 61	Expected	4.00	1.00	2.00		1.00		1.00	1.00	1.00	2.00	2.00			1.00				1.00
	Actual	3.49	1.15	1.87		0.99		0.84	0.72	0.96	1.79	1.81			1.02				1.00
34 of 61	Expected	2.00		2.00		2.00	1.00	1.00	2.00		2.00	1.00					1.00	1.00	1.00
	Actual	2.00		2.05		1.97	1.18	1.00	1.78		1.92	0.75					0.00 ^c	1.19	0.92
35 of 61	Expected	2.00		2.00		2.00	1.00	1.00	1.00		1.00	1.00			2.00	1.00	1.00	1.00	1.00
	Actual	1.97		1.94		1.88	1.22	1.00	0.96		0.95	1.12			2.09	1.07	0.00 ^c	1.16	0.93
36 of 61	Expected	1.00		1.00		4.00	1.00		2.00		2.00				2.00	1.00	2.00	1.00	
	Actual	0.91		0.90		3.74	1.10		1.76		1.95				1.83	0.98	0.00 ^c	1.00	
37 of 61	Expected	1.00		1.00		4.00			2.00	1.00	3.00				2.00	1.00	1.00		1.00
	Actual	1.09		0.91		3.97			1.71	0.95	2.71				1.99	1.00	0.00 ^c		0.87
38 of 61	Expected	1.00			1.00	3.00			2.00	2.00	2.00				1.00	1.00	2.00		1.00
	Actual	1.16			0.49 ^a	3.00			1.74	1.98	2.00				1.09	0.80	0.00 ^c		0.89
39 of 61	Expected	1.00			1.00	1.00		1.00	1.00	3.00	2.00			1.00	1.00	3.00	1.00		1.00
	Actual	1.15			0.46 ^a	0.93		1.00	0.83	2.61	1.65			1.13	0.99	2.72	0.00 ^c		0.75
40 of 61	Expected			1.00	1.00		1.00	1.00		3.00	2.00			1.00	1.00	3.00	2.00		1.00
	Actual			0.91	0.53 ^a		1.06	1.07		2.72	1.77			1.00	0.96	2.90	0.00 ^c		0.75
41 of 61	Expected			1.00		2.00	1.00	1.00	1.00	3.00	1.00	1.00			2.00	2.00	1.00		1.00
	Actual			1.00		1.93	1.01	0.95	0.90	3.17	0.99	0.83			1.85	1.78	0.00 ^c		0.94
42 of 61	Expected	1.00		1.00		2.00	2.00		1.00	2.00	1.00	1.00		1.00	3.00			1.00	1.00
	Actual	0.77		1.00		1.97	1.91		0.82	1.84	1.00	0.90		0.88	2.71			0.79	0.72
43 of 61	Expected	1.00		1.00		2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	3.00			1.00	
	Actual	1.00		0.93		1.77	1.11	1.14	0.90	0.93	0.88	0.97	0.97	1.81	2.71			1.04	
44 of 61	Expected	2.00	1.00	1.00		2.00	2.00	1.00			1.00		1.00	1.00	2.00			3.00	
	Actual	1.86	1.01	1.00		1.85	2.09	1.17			1.01		0.91	1.00	1.95			2.80	
45 of 61	Expected	1.00	1.00	1.00		3.00	2.00	1.00					1.00		1.00	2.00		2.00	1.00
	Actual	0.98	1.11	0.98		2.78	1.95	1.33					1.00		1.02	1.79		1.84	0.81
46 of 61	Expected	1.00	1.00			2.00	3.00	1.00		1.00	1.00			1.00		2.00	1.00	2.00	1.00
	Actual	0.97	1.05			1.92	3.06	1.22		0.84	0.90			1.00		1.71	0.00 ^c	1.85	0.95
47 of 61	Expected			1.00		2.00	3.00	1.00	1.00	2.00	1.00		1.00	1.00		2.00	1.00		1.00
	Actual			0.86		1.89	2.91	1.15	0.85	1.79	0.95		0.86	1.00		1.74	0.00 ^c		0.89
48 of 61	Expected			1.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00		1.00	1.00		2.00	1.00		
	Actual			1.01	0.52 ^a	1.96	3.07	1.09	0.93	1.77	0.97		0.97	1.00		1.75	0.00 ^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)
49 of 61	Expected			1.00	1.00	4.00	2.00		2.00	1.00			1.00	1.00		3.00			1.00
	Actual			1.02	0.46 ^a	3.77	2.22		1.81	1.00			0.96	0.95		2.77			1.00
50 of 61	Expected		1.00	2.00	2.00	3.00	2.00	1.00	1.00					1.00		3.00			1.00
	Actual		0.99	1.91	0.57 ^a	2.80	2.09	1.14	1.00					1.00		2.76			0.99
51 of 61	Expected		2.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00				1.00	1.00	3.00			1.00
	Actual		2.01	1.97	0.63 ^a	1.94	1.04	1.05	0.92	0.99				1.00	0.98	2.70			0.96
52 of 61	Expected	1.00	2.00	2.00	1.00		2.00	1.00		1.00	1.00			1.00	2.00	3.00			
	Actual	1.13	2.08	1.98	0.51 ^a		2.20	1.24		0.97	1.00			1.11	1.97	2.82			
53 of 61	Expected	1.00	1.00			1.00	1.00			2.00	1.00			1.00	2.00	4.00	1.00		1.00
	Actual	1.07	1.08			0.97	1.36			1.86	0.97			1.11	1.98	3.89	0.00 ^c		1.00
54 of 61	Expected	1.00	1.00		3.00	1.00	1.00			1.00	1.00				2.00	4.00	1.00		1.00
	Actual	0.94	1.00		1.39 ^a	0.96	1.06			0.92	0.97				1.84	3.76	0.00 ^c		0.91
55 of 61	Expected		2.00		3.00	1.00				2.00		1.00	1.00	2.00	1.00	2.00	1.00	1.00	1.00
	Actual		2.24		1.67 ^a	0.93				1.77		1.08	1.02	2.00	0.97	1.81	0.00 ^c		0.87
56 of 61	Expected	2.00	1.00	2.00	1.00	2.00	2.00			2.00		1.00	1.00	2.00	1.00	1.00			
	Actual	2.25	0.88	0.73 ^a	0.90	1.91				1.89		1.00	1.11	1.97	0.75	1.05			
57 of 61	Expected		1.00	1.00	1.00	2.00	3.00			2.00		2.00	1.00	2.00			1.00	1.00	
	Actual		1.23	1.01	0.52 ^a	1.94	2.91			1.74		1.73	1.00	1.79			0.00 ^c	0.96	
58 of 61	Expected		1.00	1.00	1.00	3.00	3.00		1.00	2.00		1.00		1.00	1.00		1.00	1.00	
	Actual		1.04	0.92	0.49 ^a	2.74	3.14		0.86	2.00		0.88		0.89	0.96		0.00 ^c	0.80	
59 of 61	Expected		1.00	1.00		4.00	1.00		1.00	1.00	1.00	2.00		1.00	1.00		1.00	1.00	1.00
	Actual		1.06	1.01		3.71	1.23		0.99	0.97	0.97	1.75		1.00	1.03		0.00 ^c	0.77	0.91
60 of 61	Expected	1.00	1.00	1.00		4.00				1.00	2.00	1.00		1.00	2.00	1.00			2.00
	Actual	1.09	0.98	0.95		3.91				1.04	1.78	1.08		1.00	1.91	1.13			1.71
61 of 61	Expected	1.00		1.00		3.00	1.00				2.00	1.00			1.00	1.00			2.00
	Actual	0.99		1.00		2.77	1.07				1.71	1.06			1.00	0.99			1.78

^aCys was partially destroyed during hydrolysis

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

^cTrp was completely destroyed during hydrolysis

Date: 30 APR 2007

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