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Table S1. Ratio of amino acids used in mixtures.

Amino Acid	Ratio
Boc-D,L-Pro-OH	0.13
Boc-D,L-Val-OH	0.13
Boc-D,L-Leu-OH	0.14
Boc-D,L-Trp-OH	0.17
Boc-D,L-Arg(Tos)-OH	0.24
Boc-D,L-Glu(OBzl)-OH	0.19

Table S2. Amino acid analysis of six random samples of cyclic pentapeptide mixtures compared to their calculated ratios. Samples were hydrolyzed at 110°C for 24 h using 6 N HCl.

	L10		L17		L30		L45	
	calc	found	calc	found	calc	found	calc	found
Asp	1.00	1.05	1.00	1.03	1.00	1.04	1.00	1.05
Leu	0.50	0.47	0.50	0.49	0.50	0.50	1.50	1.48
Trp	1.50	destroyed	0.50	destroyed	0.50	destroyed	0.50	destroyed
Glu	0.50	0.45	0.50	0.49	1.50	1.47	0.50	0.46
Arg	0.50	0.43	1.50	1.43	0.50	0.44	0.50	0.47
Pro	0.50	0.45	0.50	0.47	0.50	0.48	0.50	0.49
Val	0.50	0.48	0.50	0.47	0.50	0.46	0.50	0.45