

Supporting information for Stanger *et al.* (October 2, 2001) *Proc. Natl. Acad. Sci. USA*, 10.1073/pnas.211536998.

Table 2. β -Hairpin population for a series of peptides with a Tyr to Ala mutation in the core

Peptide	Val # 1 Population	Val # 2 Population	Orn Population	Ile Population	Average $\Delta\Delta G$ (Kcal/mol)
DP, Y2→A	38%	55%	38%	19%	-
DP-TA, Y4→A	45%	59%	47%	24%	-0.16 ± 0.08
DP-TA2, Y6→A	45%	59%	44%	21%	-0.12 ± 0.06
DP-ST/Y, Y4→A	52%	59%	50%	24%	-0.23 ± 0.16
DP-ST/Y, Y6→A	52%	59%	50%	24%	-0.23 ± 0.16

β -Hairpin population calculated at each indicator residue (listed from N- to C-terminus) from $\delta\alpha H$ data according to equation 1 (the reference peptides had the Y→A alteration). Calculations as described in Table 1 legend.