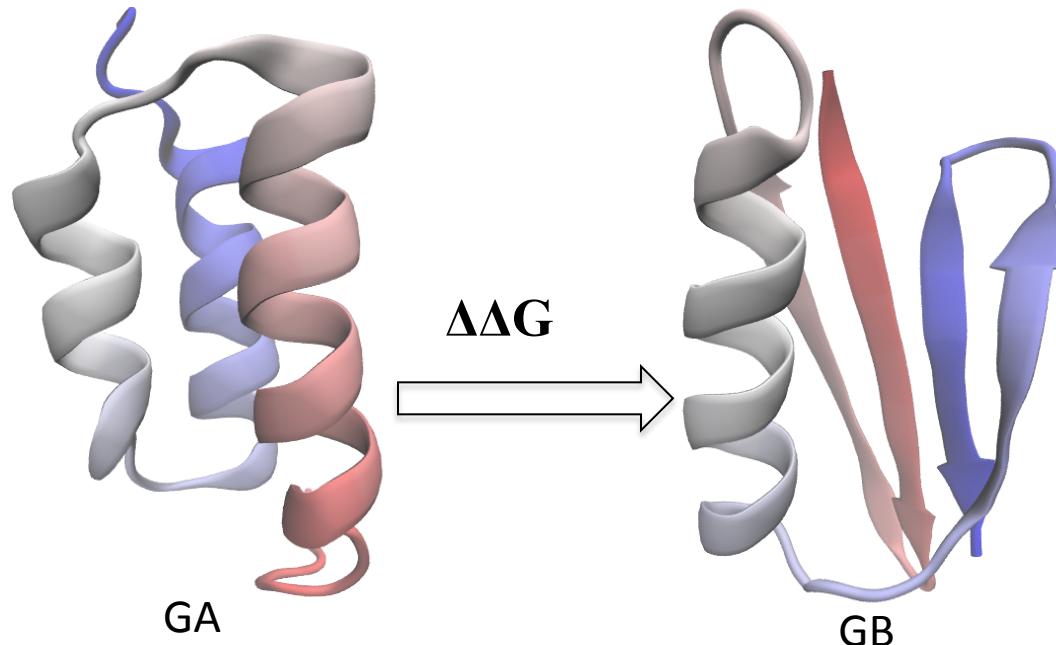


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**2jws:** TTYKLILNLQAKEEAIKELVDA**GIAEKYIKL**IANAKTVEGVWTLKDE**ILTFTVTE** GA88  
**2jwu:** TTYKLILNLQAKEEAIKELVDA**ATAEKYFKLY**ANAKTVEGVWTYKDET**TKTFTVTE** GB88  
**2kdl:** TTYKLILNLQAKEEAIKEL**DAGTAEKYIKL**IANAKTVEGVWTLKDEIKTFTVTE GA95  
**2kdm:** TTYKLILNLQAKEEAIKE**AVDAGTAEKYFKL**IANAKTVEGVWTYKDEIKTFTVTE GB95



Sequence	Experimental Fold		Calculated $\Delta G_{\text{GB}} - \Delta G_{\text{GA}}$
	GA	GB	(Kcal/Mol)
GA88	✓		+3.94± 0.51
GB88		✓	-4.36±0.46
GA95	✓		+3.48±0.47
GB95		✓	-5.01±0.49

