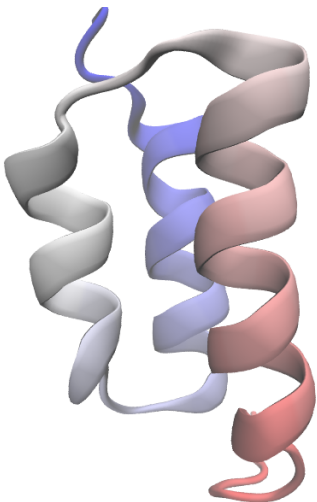
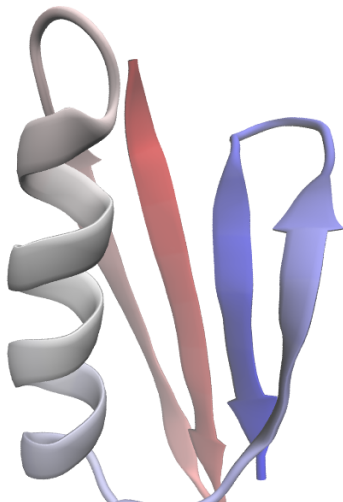


2jws: TTYKLILNLKQAKEEAIKELVDA**G**IAEKY**I**KL**I**ANAKTVEGVWTL**L**KDE**I**L**T**FTTVTE GA88  
2jwu: TTYKLILNLKQAKEEAIKELVDA**A**TAEKY**F**KL**Y**ANAKTVEGVW**T****Y**KDE**T**K**T**FTTVTE GB88  
2kdl: TTYKLILNLKQAKEEAIKE**L**VDAGTAEKY**I**KL**I**ANAKTVEGVWTL**L**KDEIKTFTTVTE GA95  
2kdm: TTYKLILNLKQAKEEAIKE**A**VDAGTAEKY**F**KL**I**ANAKTVEGVW**T****Y**KDEIKTFTTVTE GB95  
Y45A: TTYKLILNLKQAKEEAIKEAVDAGTAEKY**F**KL**I**ANAKTVEGVW**T****A**KDEIKTFTTVTE GA98



α



β

Sequence	Experimental Fold		Calculated Fold		Calculated $\Delta G_{\beta} - \Delta G_{\alpha}$ (kcal/mol)
	α	β	α	β	
GA88	✓		✓		3.9 ± .5
GB88		✓		✓	-4.4 ± .5
GA95	✓		✓		3.5 ± .5
GB95		✓		✓	-5.0 ± .5
GA98	✓		✓		3.8 ± .5