

Modulation of the Structure and Stability of Novel Camel Lens Alpha-Crystallin by pH and Thermal Stress

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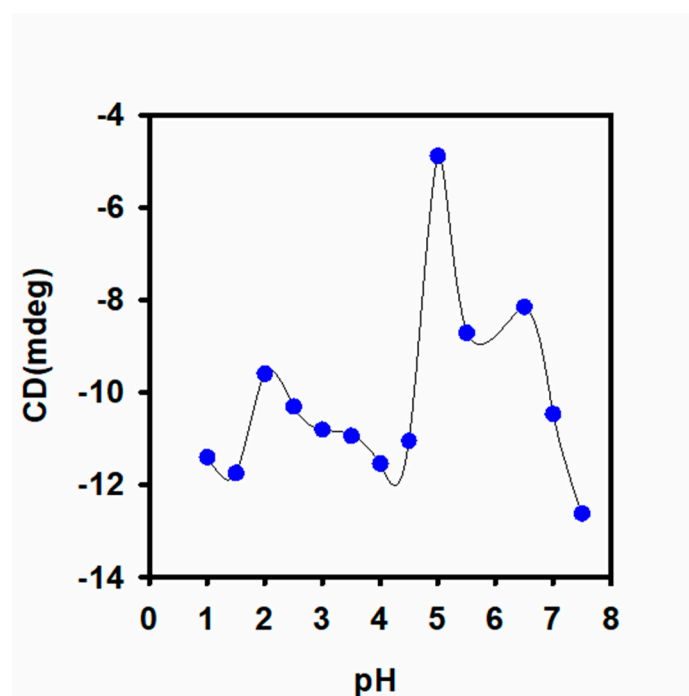


Figure S1. Changes in far-UV CD signal at 217 nm at different pH values are plotted. With a decrease in pH, the far-UV CD ellipticities initially decreased between pH 7.5 and 5.0. The far-UV CD ellipticities at 217 nm rapidly increased to a native-like structure below pH 5.0.

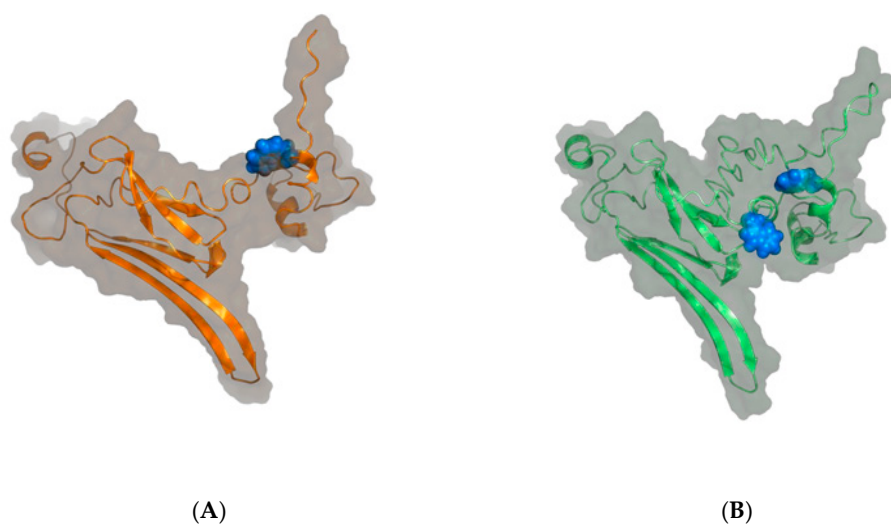


Figure S2. Modeled 3D structure of camel lens alpha-crystallin. The tryptophan residue in the A- and B-chain of alpha-crystallin is shown in blue: (A) alphaA-crystallin and (B) alphaB-crystallin.