Supplemental Data

Structure and Interdomain Interactions of a Hybrid Domain: A Disulphide-Rich Module of the Fibrillin/LTBP Superfamily of Matrix Proteins

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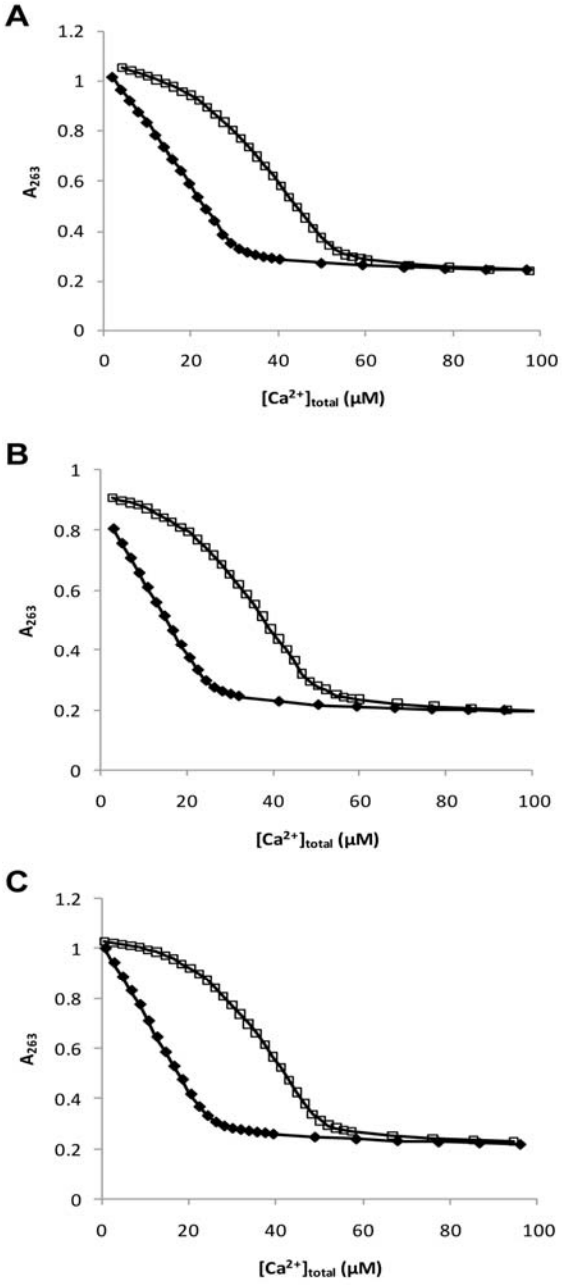

Figure S1. Measurement of Ca^{2+} Dissociation Constants of Hyb Domain Constructs using the Chromophoric Chelator Quin-2

Constructs were dissolved in Chelex-treated Ca^{2+}-free buffer (5 mM Tris, pH 7.5 and 150 mM NaCl) to a concentration of 25-30 μM and titrated with Ca^{2+} in the presence of 25-30 μM Quin-2. Curves shown are the results of titrations of chelator alone (diamonds) or chelator with protein (open squares) and are representative of the data used to determine K_d values for each construct.

(A) Titration of 29.2 μM Quin-2 with 29.5 μM hyb2-cbEGF10.

(B) Titration of 24.9 μM Quin-2 with 25.0 μM cbEGF9-hyb2-cbEGF10.

(C) Titration of 28.2 μM Quin-2 with 29.8 μM hyb1-cbEGF1(C204S).