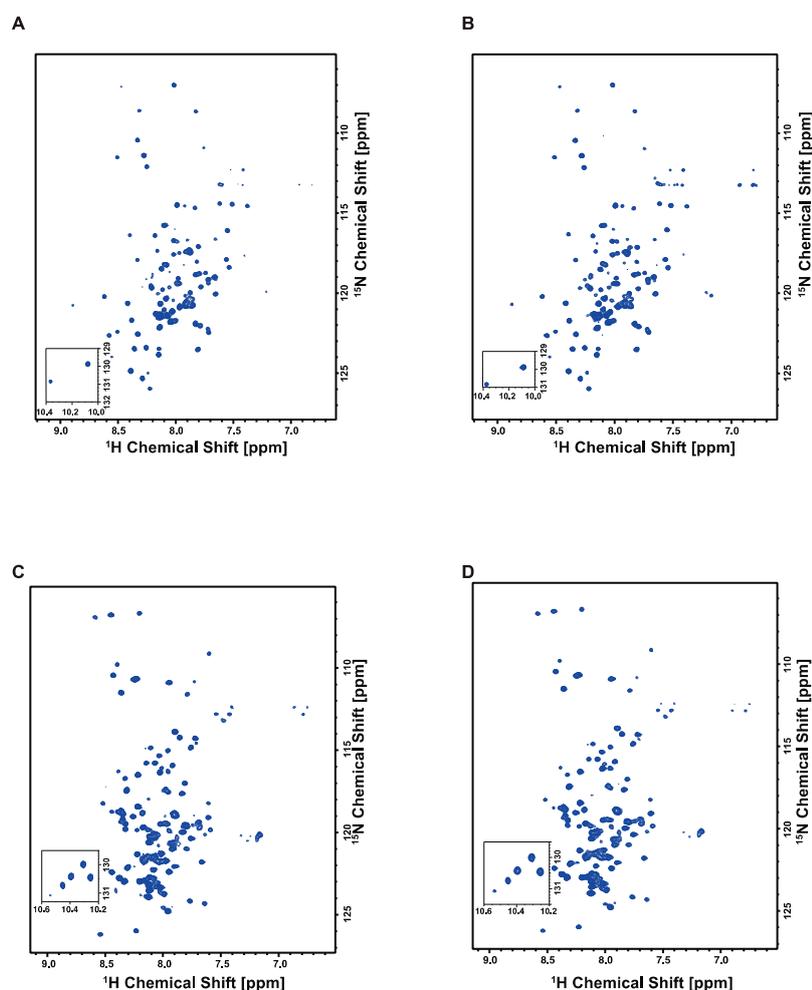


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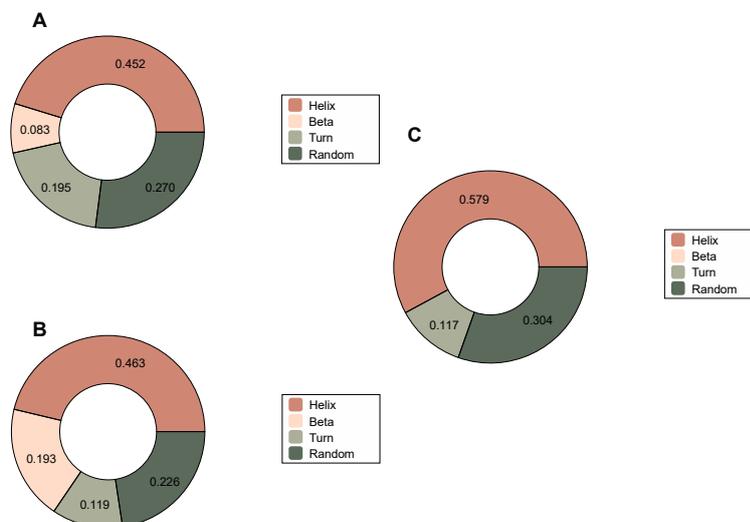
# NMR and Patch-Clamp Characterization of Yeast Mitochondrial Pyruvate Carrier Complexes

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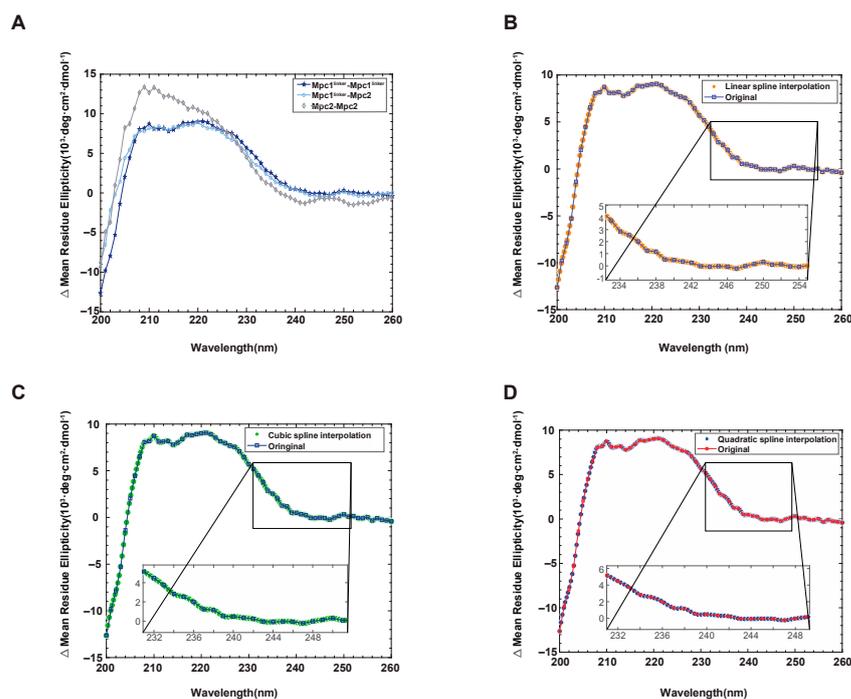
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**Figure S1.** BEST-TROSY spectra of Mpc complexes. The peaks of aromatic amino acids were placed in separate boxes located in the lower left corner of each spectrum: (A) BEST-TROSY spectrum of <sup>15</sup>N Mpc1-Mpc1 Complex; (B) BEST-TROSY spectrum of <sup>15</sup>N Mpc1-Mpc2 Complex; (C) BEST-TROSY spectrum of <sup>15</sup>N Mpc2-Mpc1 Complex; (D) BEST-TROSY spectrum of <sup>15</sup>N Mpc2-Mpc2 Complex.



**Figure S2.** The proportion of secondary structure present in Mpc complexes. (A) Secondary structure proportion of Mpc1<sup>linker</sup>-Mpc1<sup>linker</sup>; (B) Secondary structure proportion of Mpc1<sup>linker</sup>-Mpc2; (C) Secondary structure proportion of Mpc2-Mpc2.



**Figure S3.** Spline interpolation method of the residual curves between CD curves of 95 °C and 25 °C. The introduction of spline interpolation is necessary for the calculation of the area between two curves when there are fewer data points than required. The last three (B–D) were cases of Mpc1<sup>linker</sup>-Mpc1<sup>linker</sup> to illustrate this method. The portion enclosed by the rectangular box in every single sub-figure is the section between the two intersections of 25 °C CD curve and 95 °C CD curve: (A) Residual curves of three Mpc complexes; (B) Linear spline interpolation of the residual curve; (C) Cubic spline interpolation of the residue curve; (D) Quadratic spline interpolation of the residual curve.