

SUPPORTING INFORMATION TO:

Loss of electrostatic interactions causes increase of dynamics within the plastocyanin-cytochrome *f* complex

Sandra Scanu, Johannes M. Foerster, Monika Timmer, G. Matthias Ullmann and Marcellus Ubbink

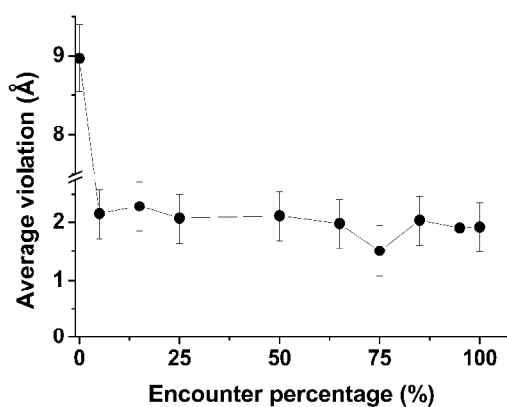


Figure S1. Plot of the average violation of all experimental distances versus the ensemble percentage included in the restraints for the calculations. Error bars represent $2 \times \text{SD}$ of the average violations obtained from three independent calculations performed with $N=7$ and $f_2=0$.

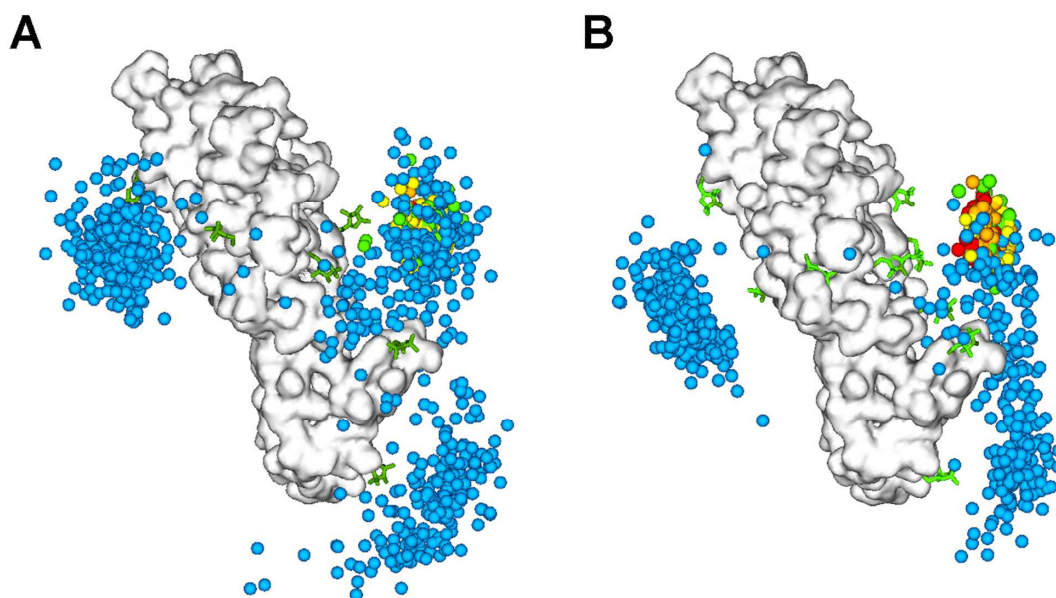


Figure S2. Comparison of the encounter complexes of $N\text{-}Ph$ complex (A) and $N\text{-}N$ complex (B). Cyt *f* is shown as a white surface and spin labels as green sticks. Pc CoMs are represented by spheres. Pc CoMs are color-coded to indicate the distance between Cu in Pc and Fe in Cyt *f*, increasing from red to blue (red ≤ 16 Å; orange ≤ 18 Å; yellow ≤ 20 Å; green ≤ 22 Å; blue > 22 Å).