

SUPPLEMENTARY INFORMATION

Substitution of tyrosine with electron-deficient aromatic amino acids improves Ac-PHF6 self-assembly and hydrogelation

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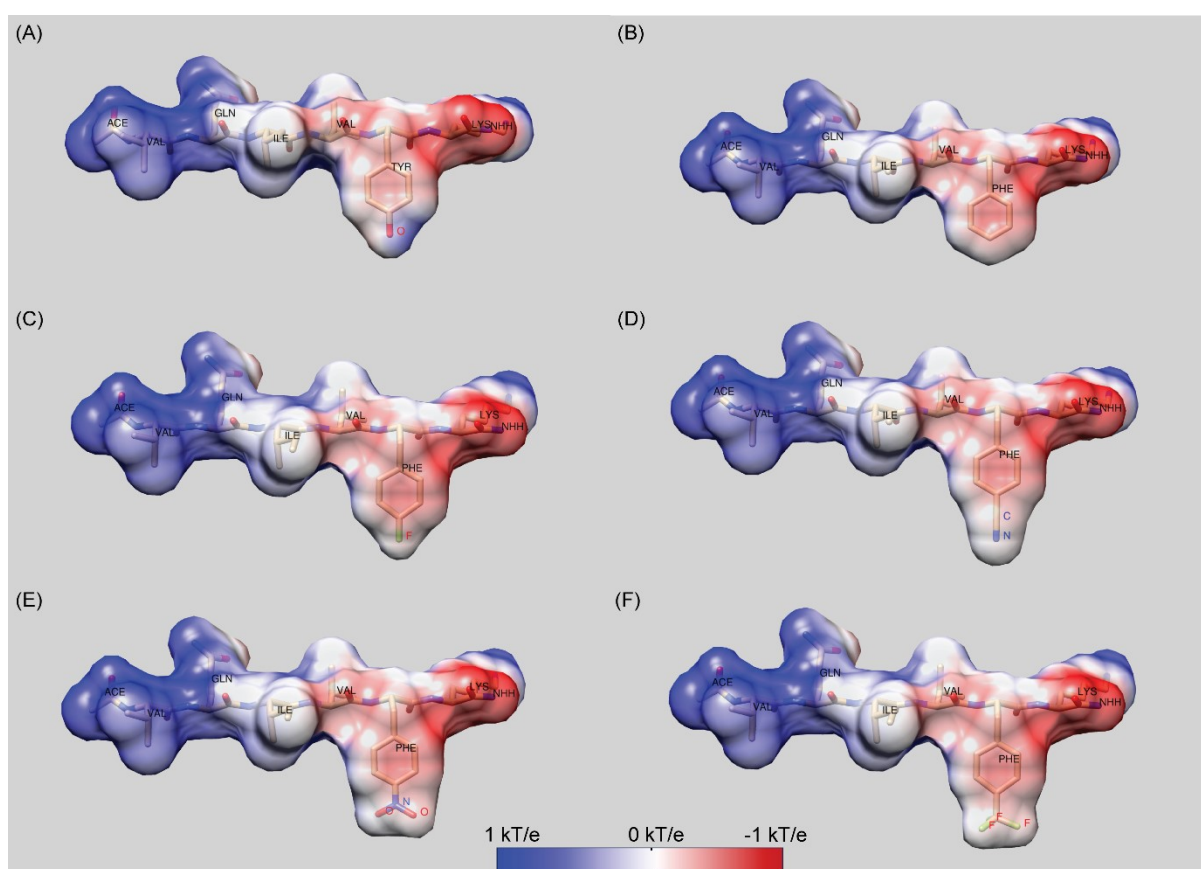


Fig. S1. Electrostatic surface charge density maps of (A) Ac-PHF6, (B) Ac-VQIVFK-am, (C) Ac-VQIVF(fl)K-am, (D) Ac-VQIVF(CN)K-am, (E) Ac-VQIVF(NO₂)K-am, and (F) Ac-VQIVF(CF₃)K-am.

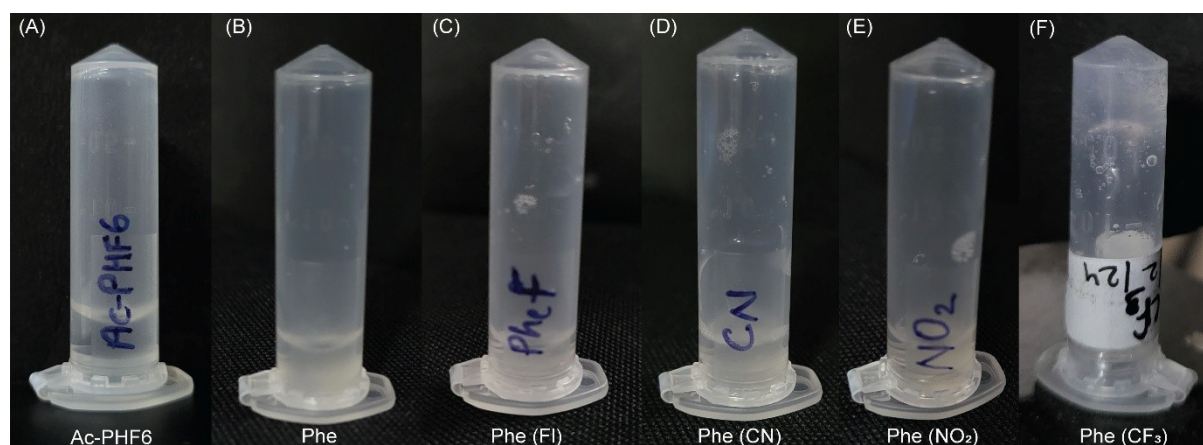


Fig. S2. Inverted vials containing >20 mM stock solutions of Ac-PHF6 and its analogs in deionized water. (A) Ac-PHF6, (B) Ac-VQIVFK-am, (C) Ac-VQIVF(fl)K-am, (D) Ac-VQIVF(CN)K-am, (E) Ac-VQIVF(NO₂)K-am, and (F) Ac-VQIVF(CF₃)K-am.