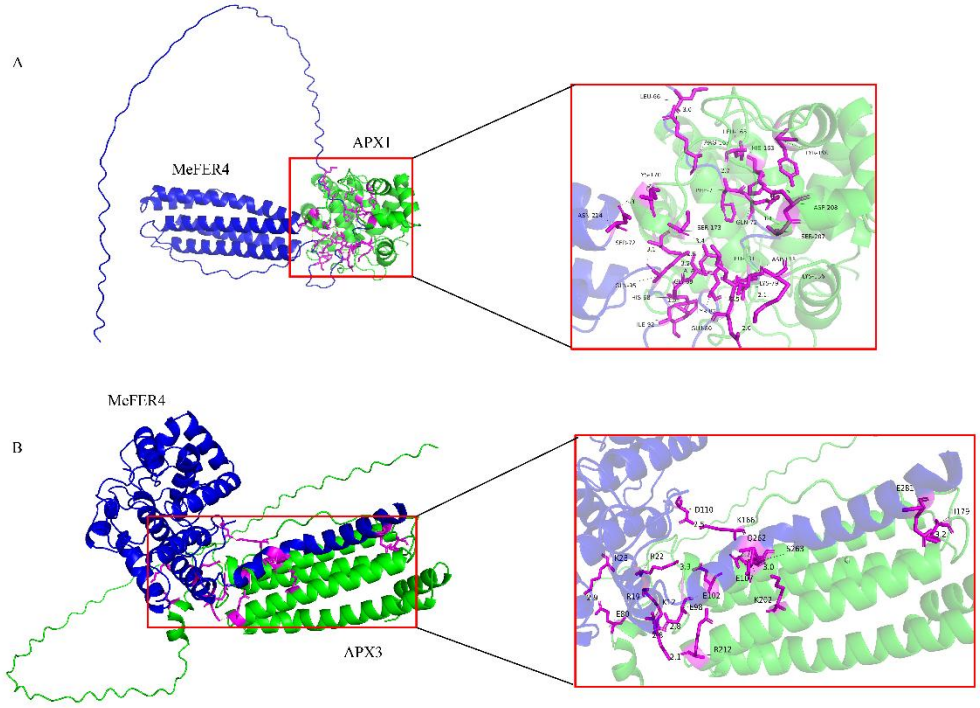

Figure S3. Molecular Docking Analysis of MeFER4 with APX1 and APX3. A. Molecular docking results of MeFER4 with APX1, showing the binding interface and highlighting key amino acid residues involved in interactions, such as hydrogen bonds, salt bridges, and hydrophobic interactions. B. Molecular docking results of MeFER4 with APX3, presenting the binding interface and emphasizing critical amino acid residues involved in interactions, and further validating the molecular mechanisms of protein-protein interactions, including hydrogen bonds and electrostatic interactions.