

Figure S1. Relative frequencies of amino acids in non-redundant heme proteins. The relative frequencies are normalized with the amino acid frequencies from non-redundant all proteins.

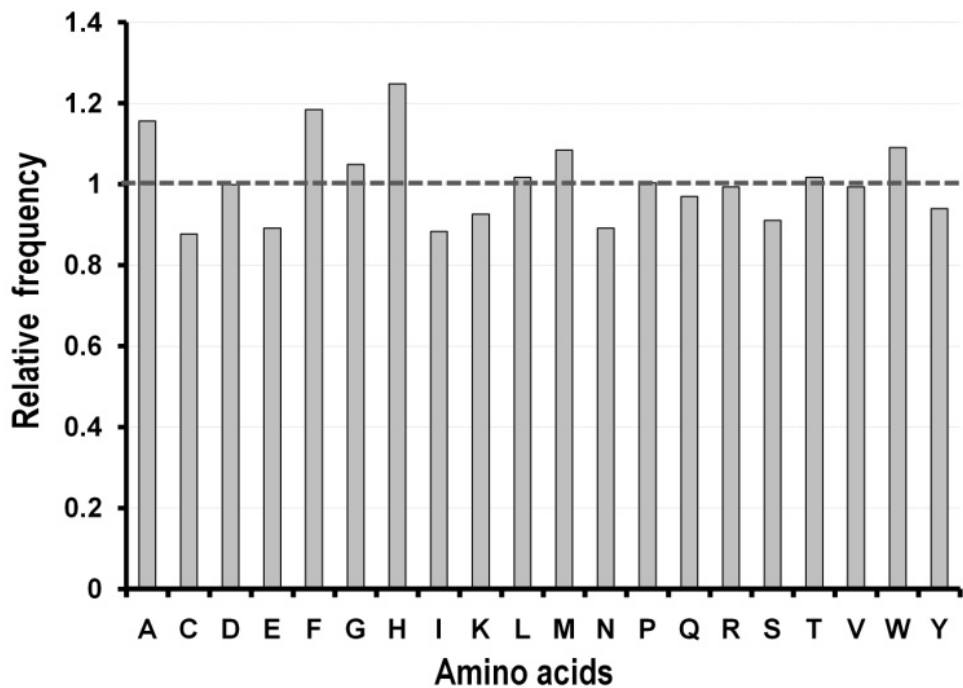


Figure S2. Frequencies of relative solvent accessibility for heme interacting residues

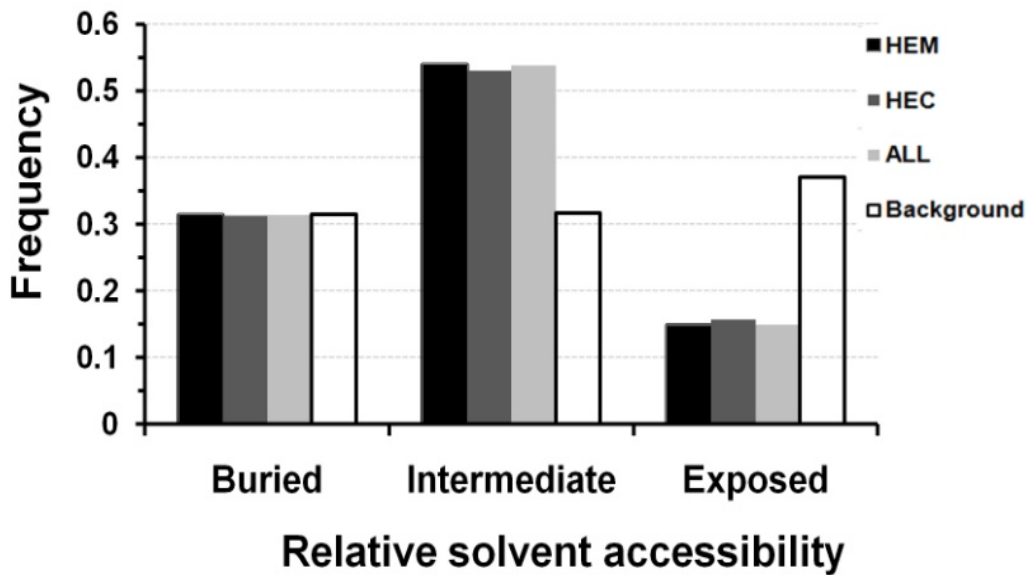


Figure S3. Heme binding pockets in EMMA (A) and 3CQVA (B) based on CASTp calculation⁵⁴. Heme is shown as CPK spacefill. The surface of each pocket is covered with green balls.

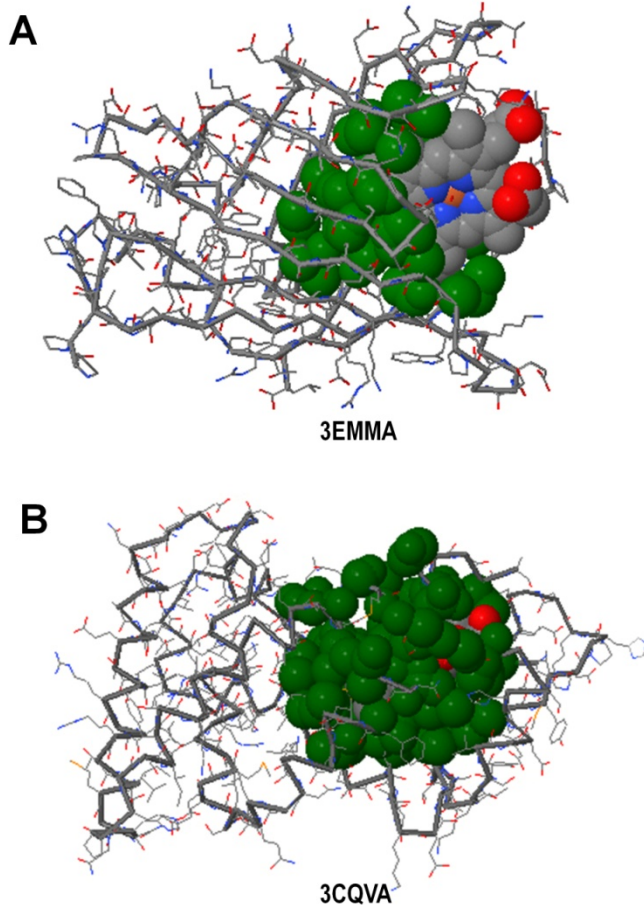


Figure S4. Distribution of (A) Rvs (ratio between volume and area) and (B) nRvs (normalized Rvs) between heme binding pockets and non-heme binding pockets.

