

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: FoldX effects for 3044 mutations of 33 interfacial residues of 13 template complexes on the DIP and Dpr side into residues occurring in DIPs and Dprs of other subfamilies. All $\Delta\Delta G$ binding energy differences are in kcal mol⁻¹. Negative constraints for 42 combinations of non-interacting DIP and Dpr subgroups that passed both energy and evolutionary filters are highlighted in grey. All other notations as in Fig. 3A.