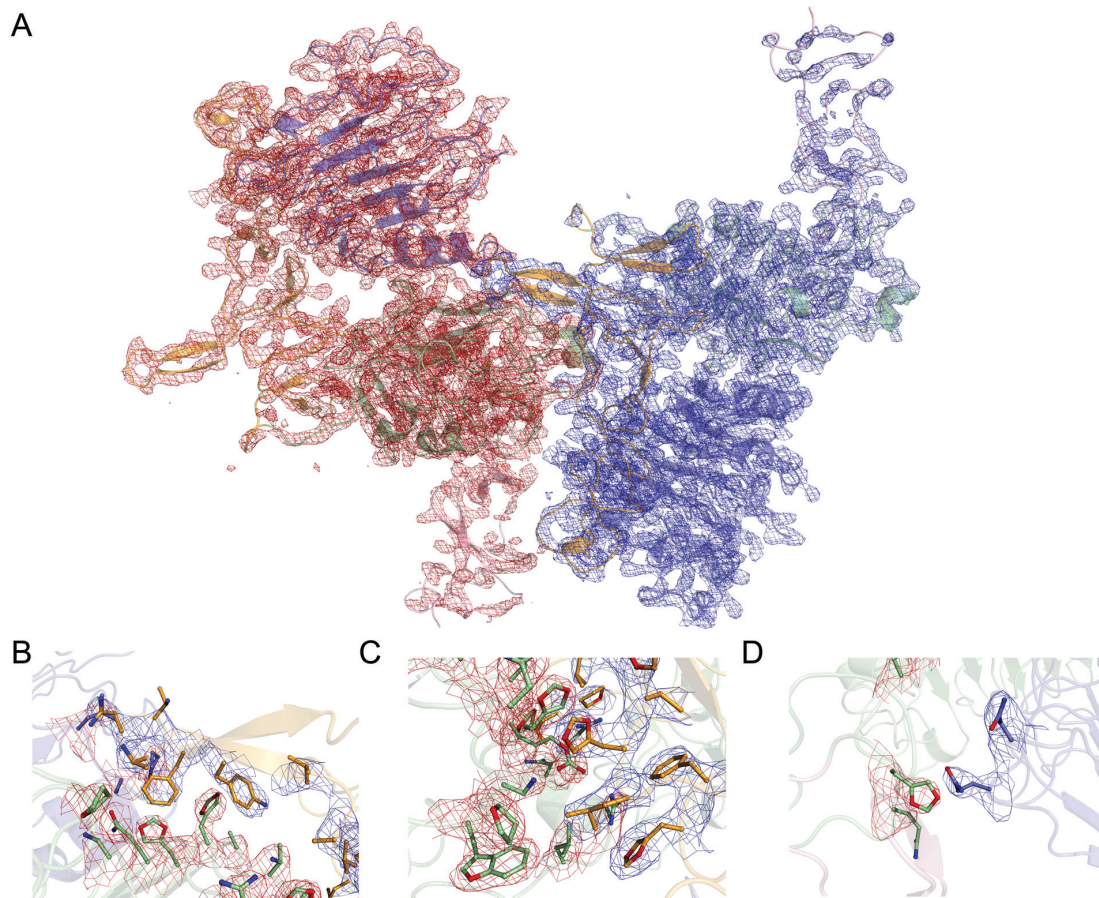
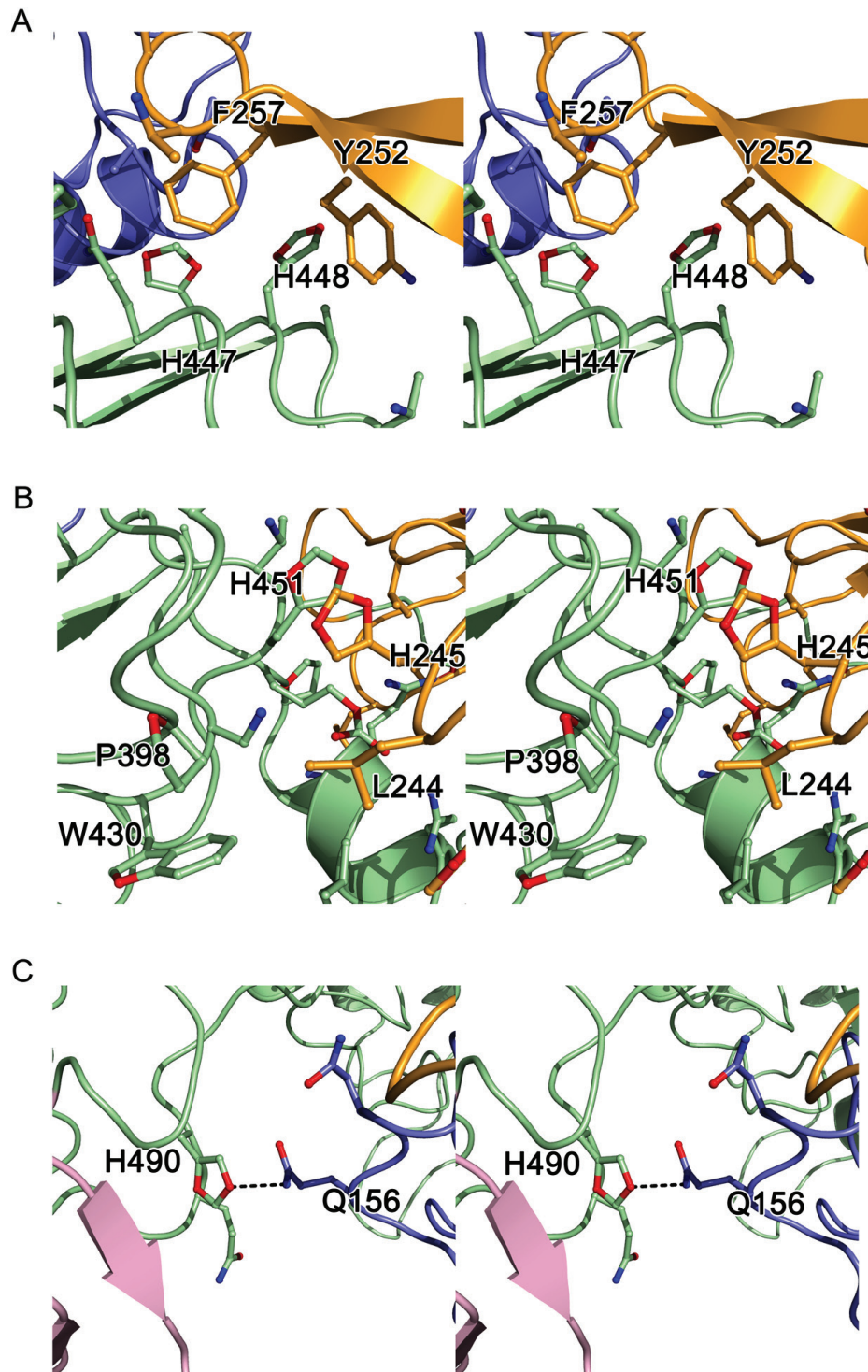


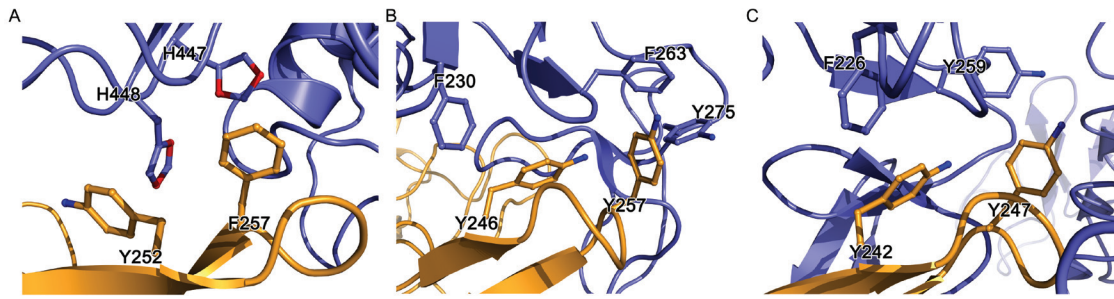
SUPPLEMENTARY FIGURES



Supplementary Figure S1: Experimental density of the ErbB2 homodimer and the dimer interface at 3.1 Å resolution. Omit map of the ErbB2 homodimer (A) and interaction sites (B–D) is contoured at 2.0 σ . ErbB2 is shown as cartoon, while the side chains of interacting residues are represented as colored sticks.



Supplementary Figure S2: Stereo view of Interactions between the two ErbB2s in the Dimer Interface. Only the side chains of interacting residues are shown. Dotted lines represent hydrogen bonds. **(A)** Interactions within the β -hairpin arm in Domain II. **(B)** Central role of H451 in Domain III. **(C)** Interaction within Domain III.



Supplementary Figure S3: Comparison of the hydrophobically interactions among ErbBs. ErbB2 homodimer (A) ErbB1 homodimer (B) and dEGFR homodimer (C) are shown in figure and the dimerization arm is colored yellow.