

Supplemental Figure S6

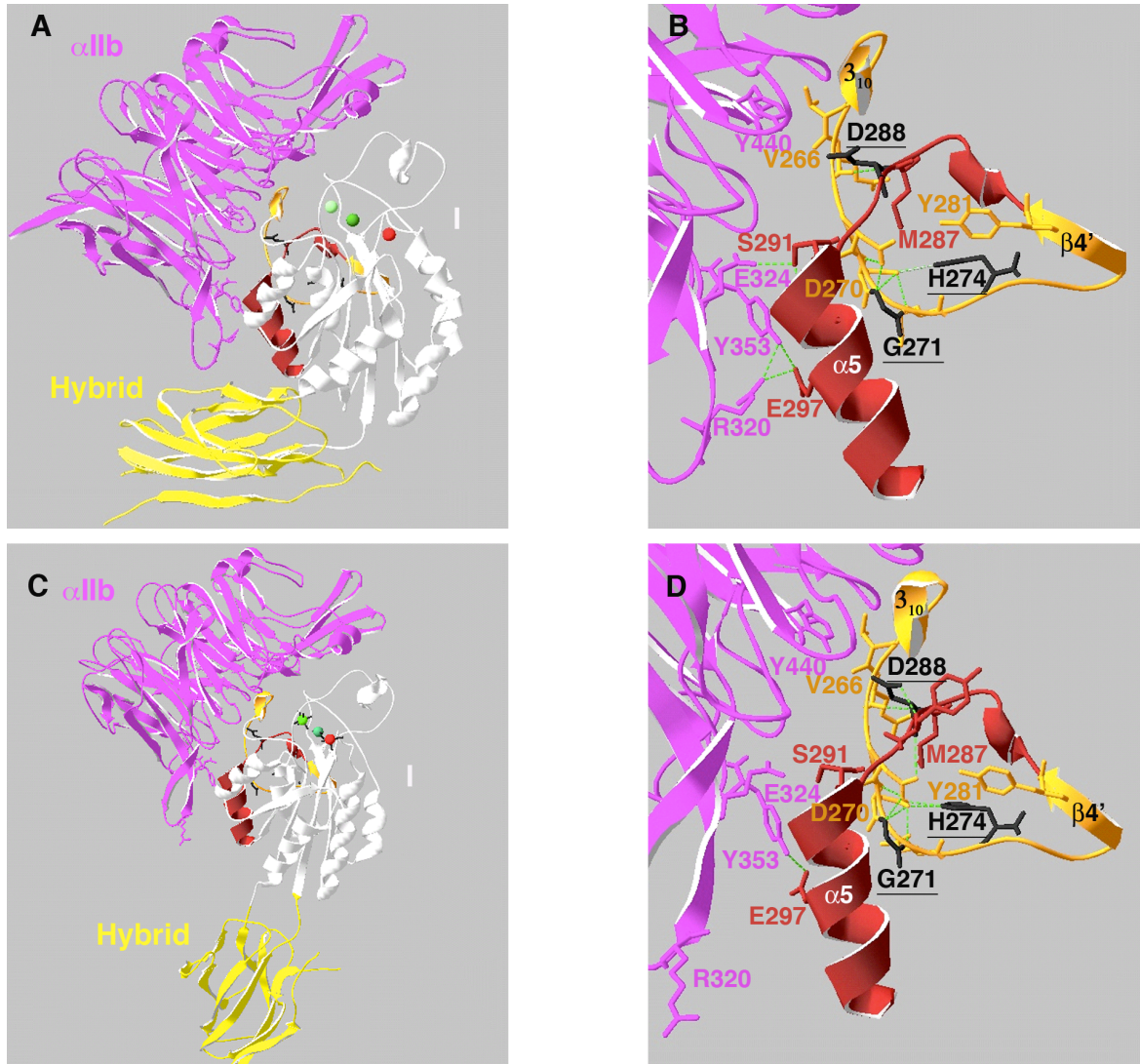


Fig. S6. Mutations that disrupt α/β interactions in the closed conformation increase ligand binding. *A* and *C*. Ribbon structure [from (28,30)] depicting the $\beta 3$ integrin I (white) and Hybrid (yellow) domains and the α IIb head domain (magenta) in the closed (*A*) and open (*C*) conformations. 3_{10} -loop- $\beta 4'$ (orange) and loop- $\alpha 5$ (dark red) are highlighted and expanded in *B* (closed) and *D* (open). Amino acids corresponding to those mutated in *Drosophila* β PS and analyzed for ligand binding are labeled (black and underlined). Cations are SyMBS Ca^{2+} (light green), MIDAS Mg^{2+} (green) and ADMIDAS Ca^{2+} (red). Hydrogen bonds are shown as green dashed lines in *B* and *D*.