



**Figure 3 - Figure Supplement 1. Comparing  $F_D$  to computationally predicted stability of variant  $\Delta\Delta G$ .** Comparison of maximum  $F_D$  values between *E. coli* 10G, BL21 and BW25113 to computationally predicted change in stability ( $\Delta\Delta G$ , see methods) for each intolerant (red circles), tolerant (yellow squares) and functional (blue triangles) in the variant library.