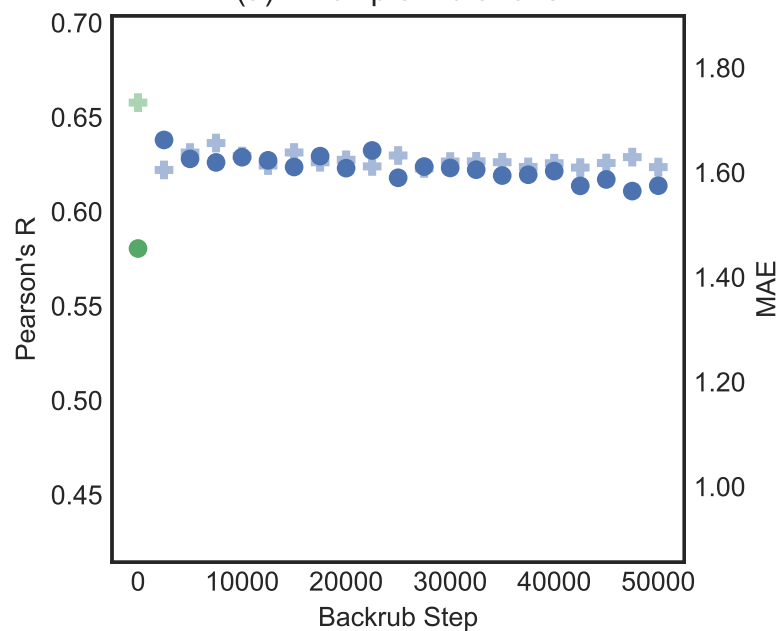
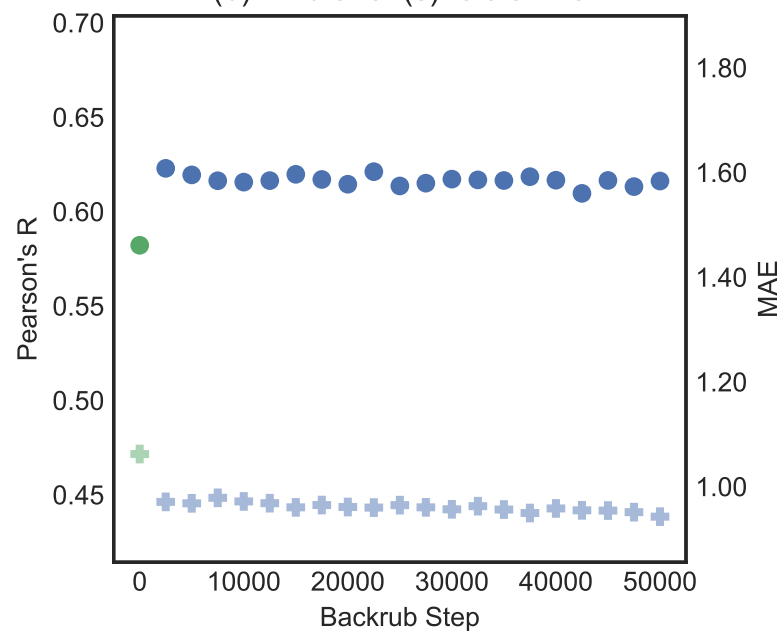


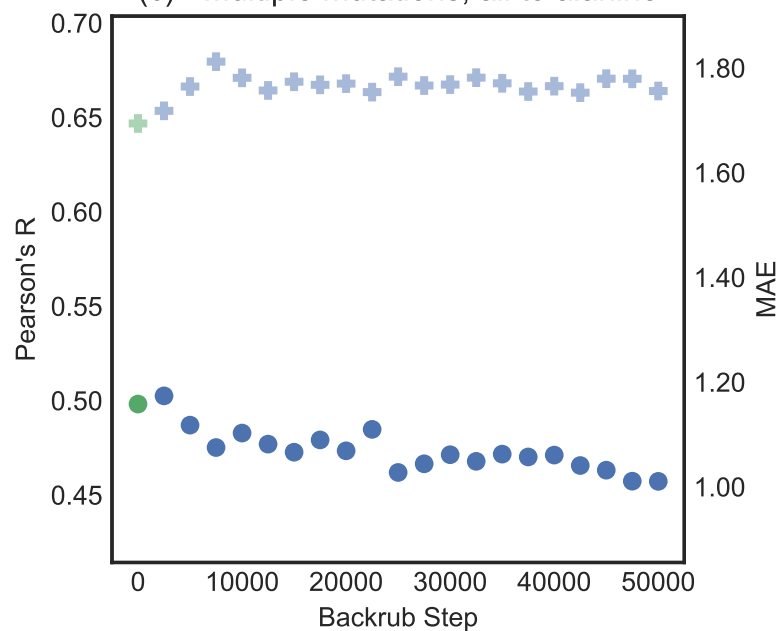
(a) - Multiple mutations



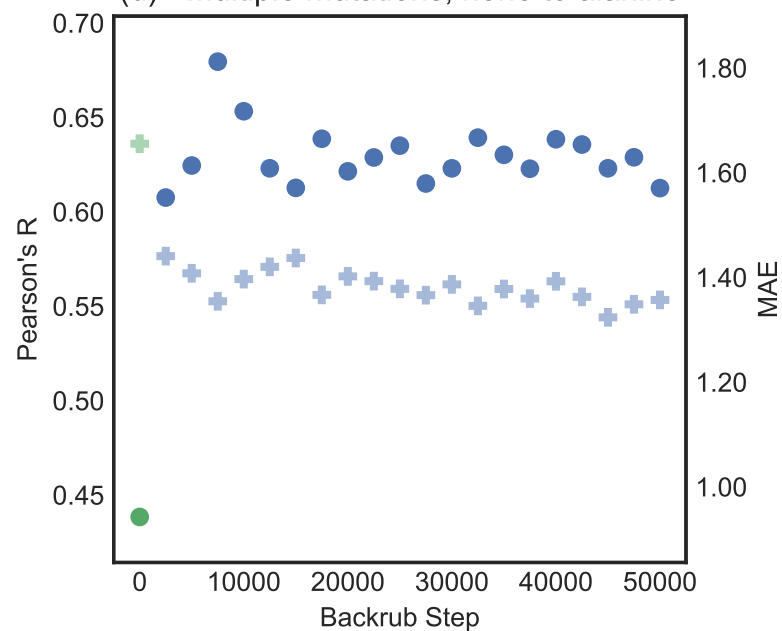
(b) - Mutation(s) to alanine



(c) - Multiple mutations, all to alanine



(d) - Multiple mutations, none to alanine



● R - flex ddG  
● R - no backrub control

+ MAE - flex ddG  
+ MAE - no backrub control