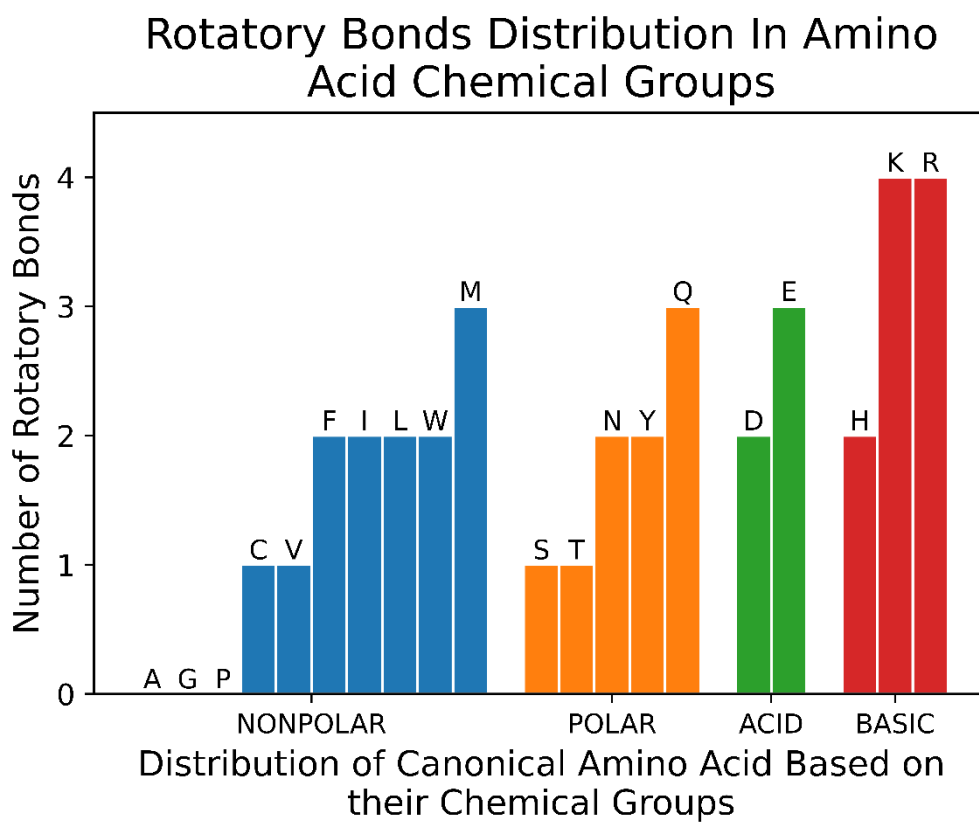
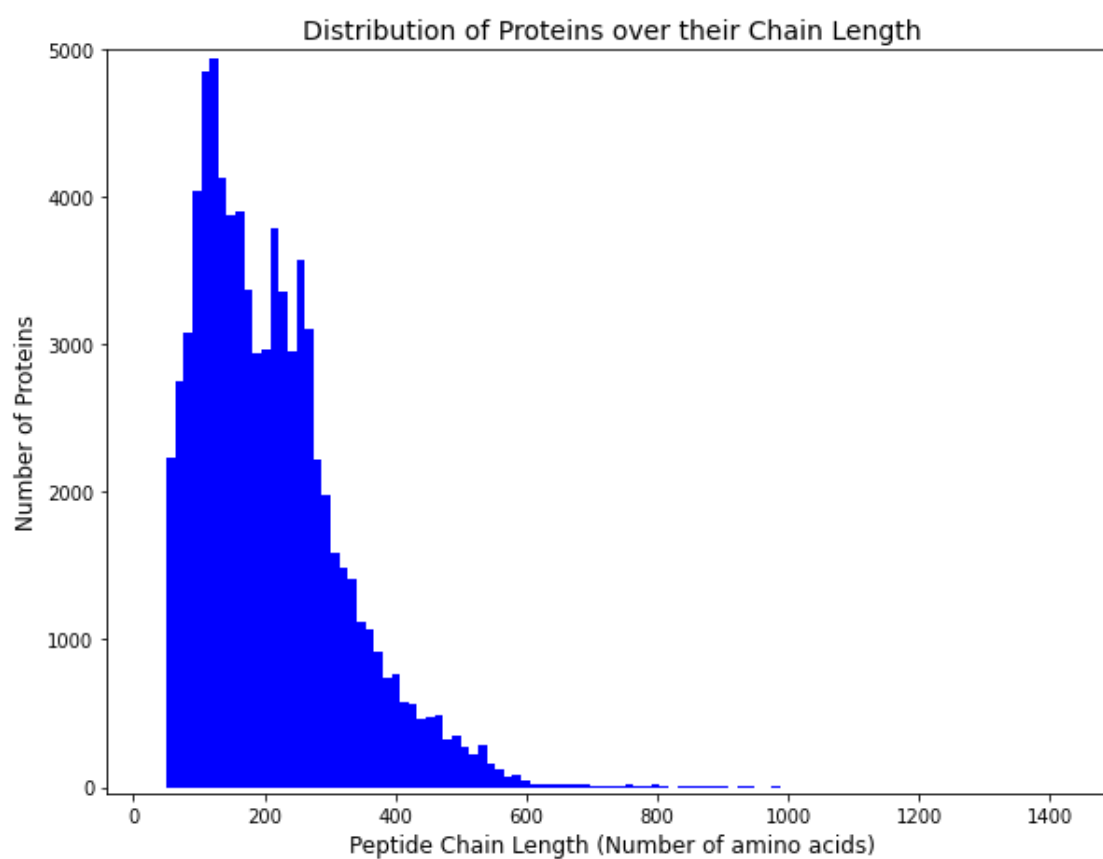
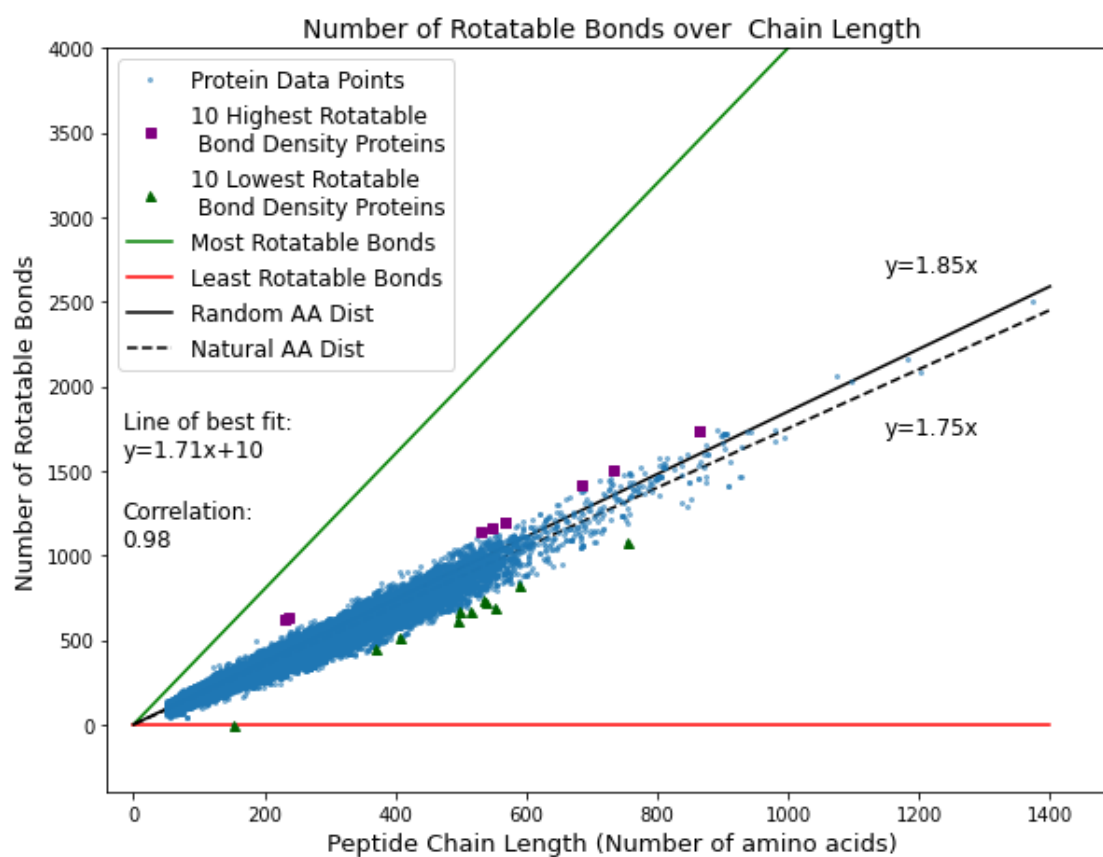


## Data Figures

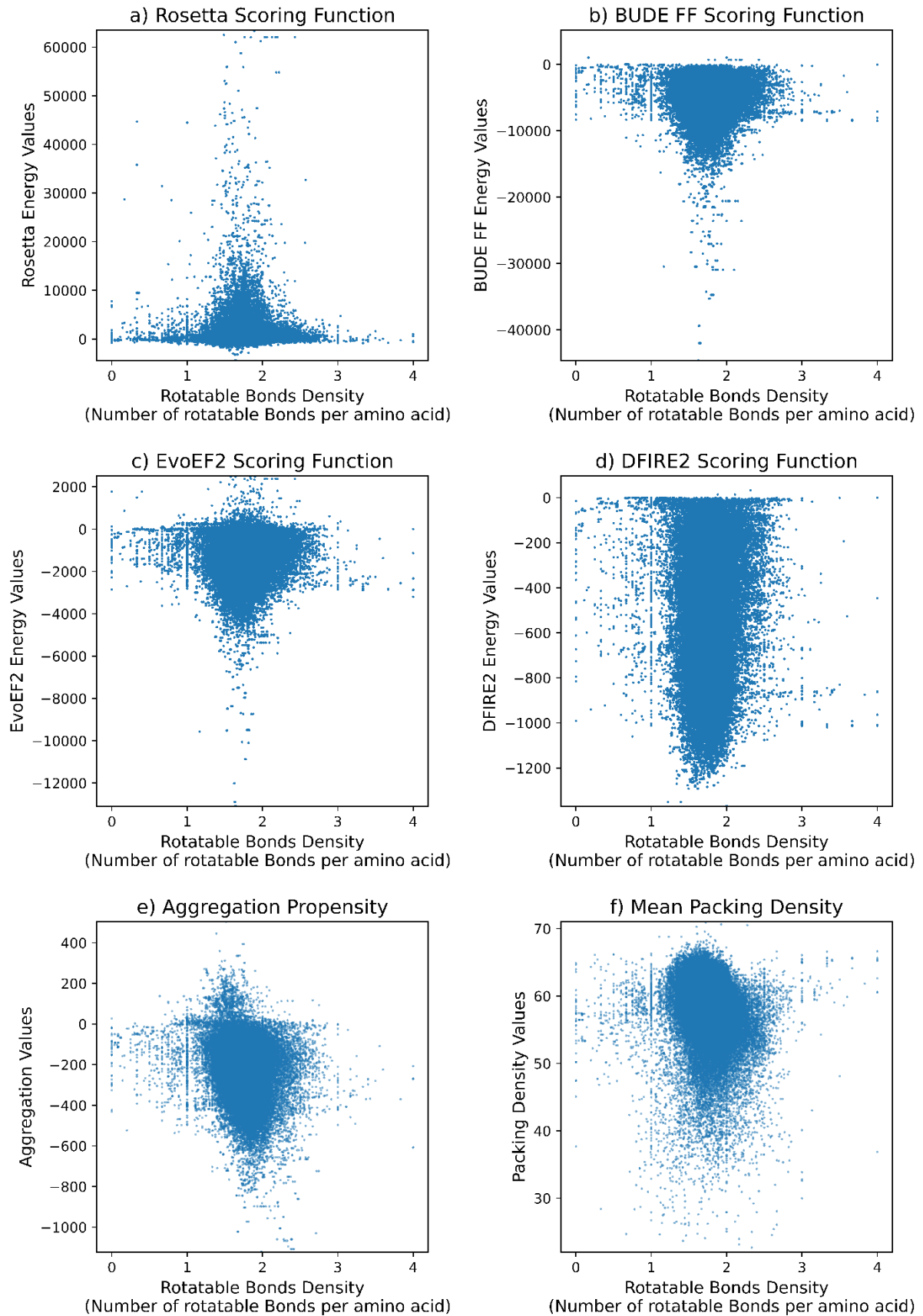
This document contains the main 6 figures created during the data analysis of this project.



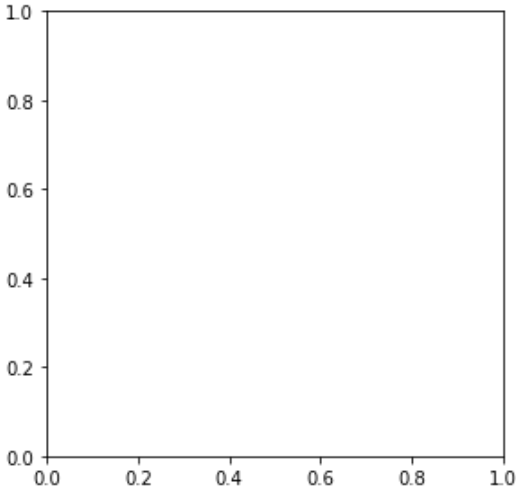
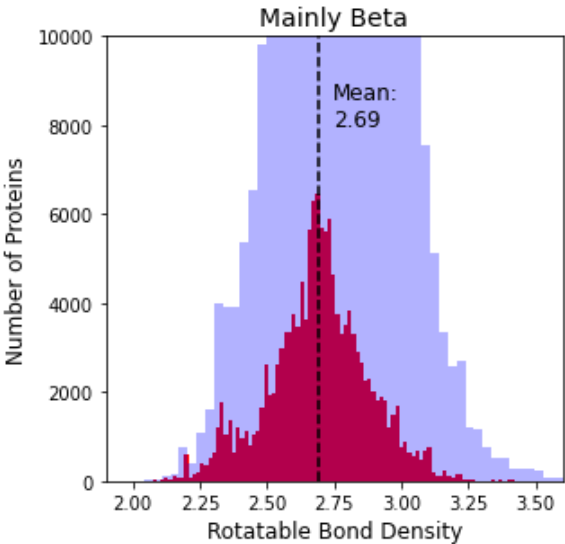
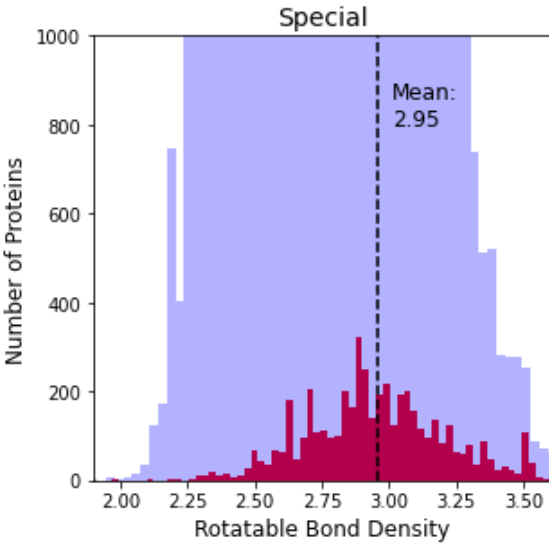
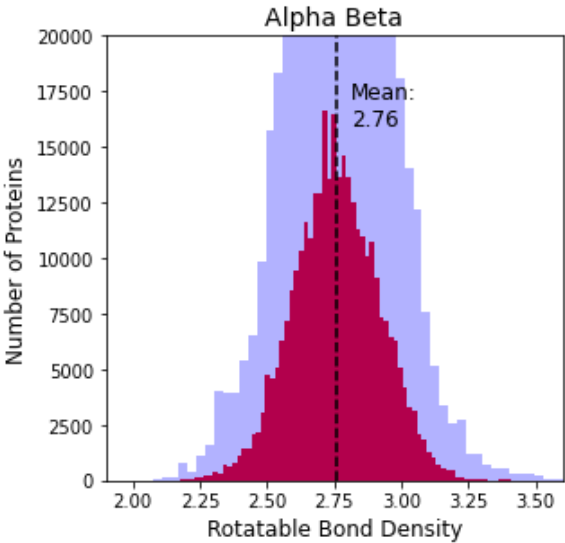
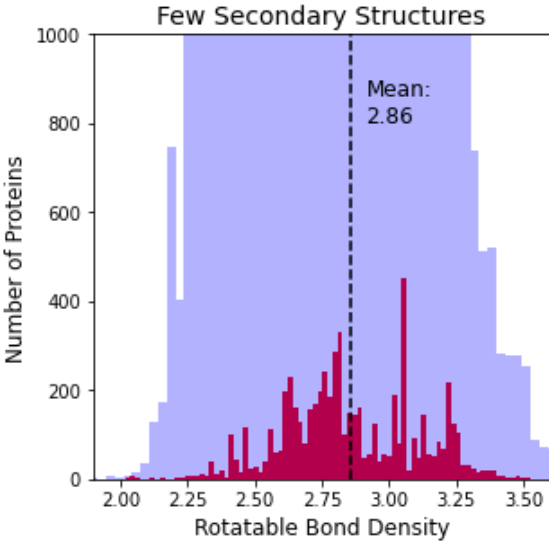
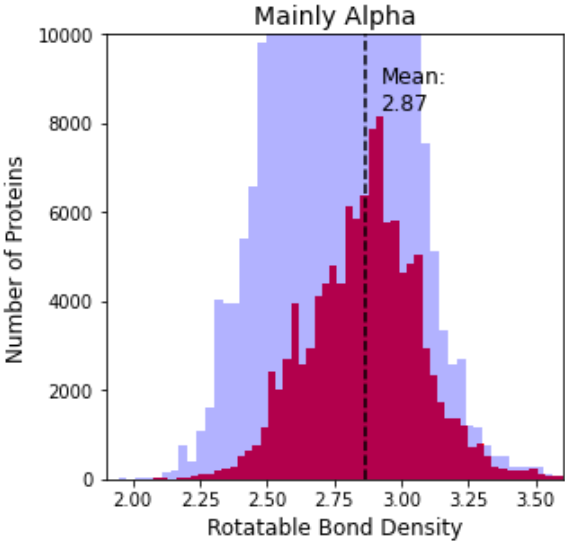
## Analysis of DE-STRESS Proteins based on their Rotatable Bonds



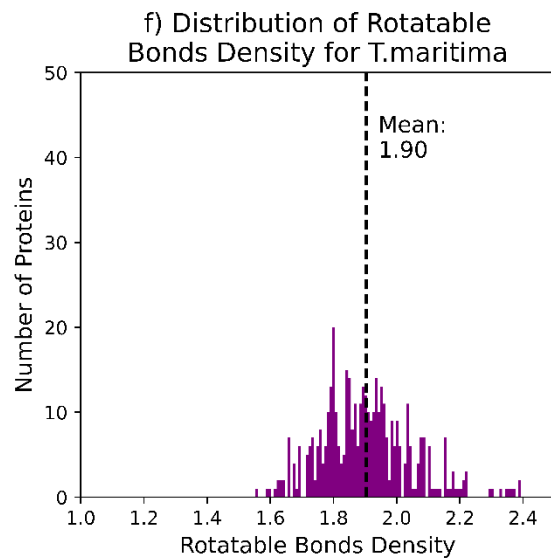
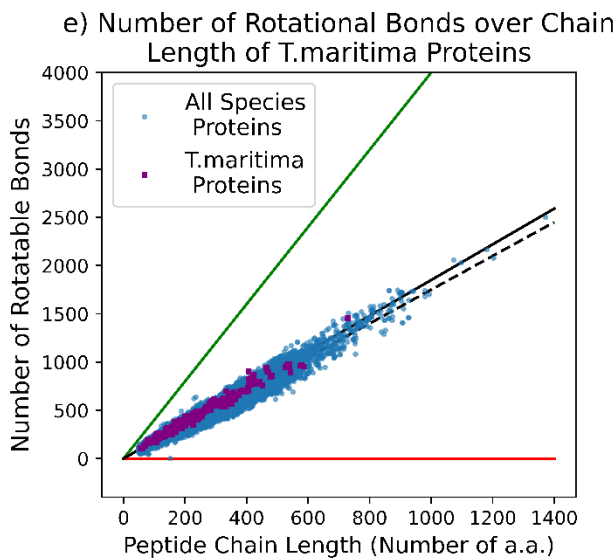
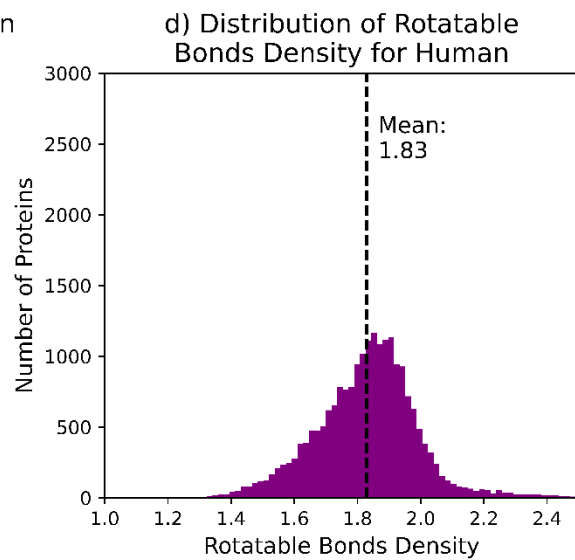
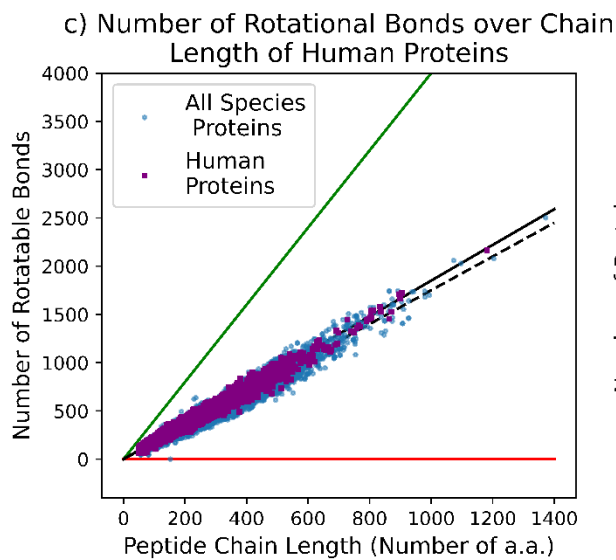
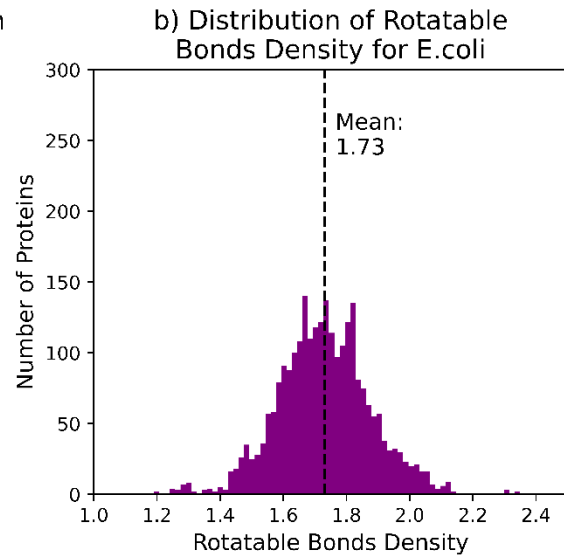
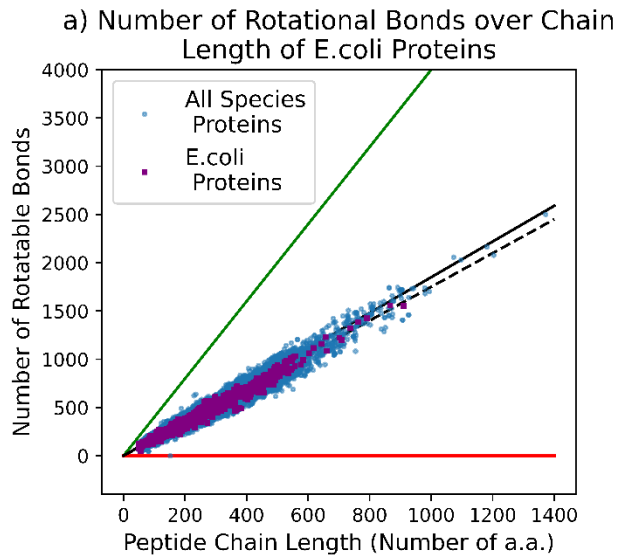
## Distribution of Protein Rotatable Bond Density over different DE-STRESS Parameters



Distribution of Different CATH Classes Based on Their Rotatable Bond Density

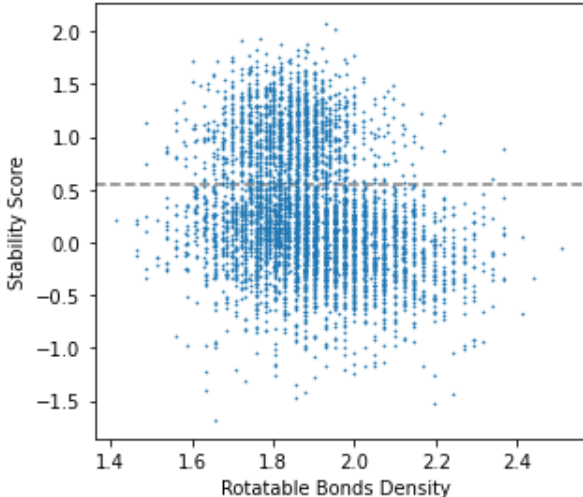


## Distribution of Rotatable Bond Density for different Organism Proteins in DE-STRESS

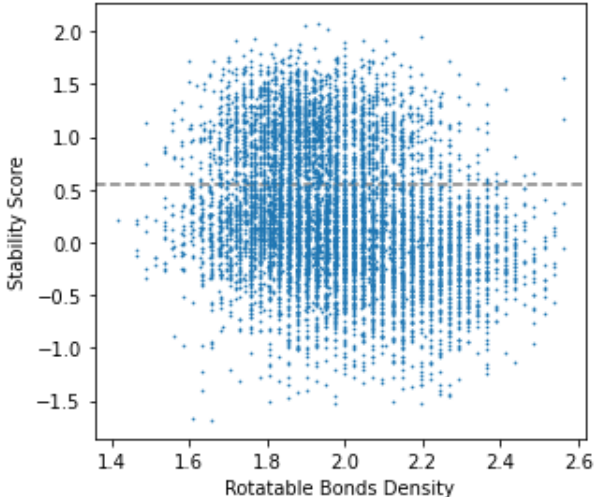


### Relation between Rotatable Bonds Density and Stability of Mini-Protein Designs with different Topologies

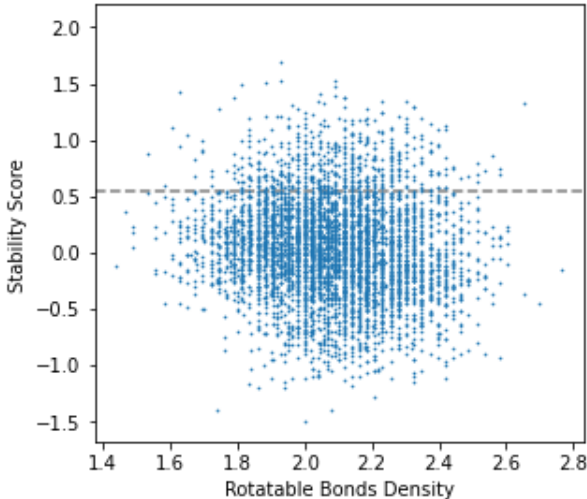
### a) EEHEE TOPOLOGY



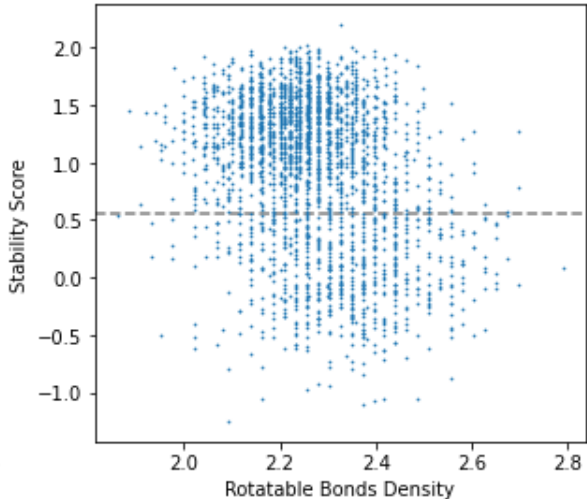
## b) EHEE TOPOLOGY



### c) HEEH TOPOLOGY



#### d) HHH TOPOLOGY



### e) EEHEE and HHH Topologies over all Designs

