

Weekly Report(Up until 27thth August, 2015)

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Work Done

Wrote script for calculating the overlap between the results of K-means and CATH. Also, wrote a script to merge the scattered fragments of residues with their respective domains.

Results

1. On an average, k-means had 80% overlap with the output of CATH. This included both contiguous as well as non-contiguous two domain proteins.
2. Also, the script which merged scattered fragments had maximum average overlap(81.5%) for fragments of size ≤ 5 .

Next Steps

1. Analyze the overlap output with fragments of size ≤ 5 to be merged and try to increase the overlap as much as possible.