

RANDOM GRAPH VS PROTEIN GRAPH WITH SAME DEGREE DISTRIBUTION
PDB USED = 1RRF.PDB

nodes = 175
average degree = 7.37142857143
avg clustering coeff = 0.561054945055
edges = 645
average shortest path = 4.62568144499

degree dist for protein graph =

DEGREE	DEGREE DISTR
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2	0.00571428571429
3	0.0114285714286
4	0.08
5	0.148571428571
6	0.12
7	0.171428571429
8	0.114285714286
9	0.16
10	0.12
11	0.0514285714286
12	0.0
13	0.0171428571429
14	0.0
15	0.0

clustering coeff dist for protein graph =

DEGREE	CLUSTERING COEFF DISTR
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2	1.0
3	0.666666666667
4	0.607843137255
5	0.388372093023
6	0.194791666667
7	0.185916919959
8	0.093045112782
9	0.0948748043818
10	0.0558963871847
11	0.0220930232558
12	0.0
13	0.00695970695971
14	0.0
15	0.0

degree dist for random graph =

DEGREE	DEGREE DISTR
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2	0.00571428571429
3	0.0114285714286
4	0.08

5	0.148571428571
6	0.12
7	0.171428571429
8	0.114285714286
9	0.16
10	0.12
11	0.0514285714286
12	0.0
13	0.0171428571429
14	0.0
15	0.0

clustering coeff dist for random graph =

DEGREE	CLUSTERING COEFF DISTR
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2	0.0
3	0.0
4	0.0980392156863
5	0.0627906976744
6	0.0322916666667
7	0.0298885511651
8	0.0238095238095
9	0.0217136150235
10	0.0169052488071
11	0.00771670190275
12	0.0
13	0.0025641025641
14	0.0
15	0.0