

RANDOM GRAPH VS PROTEIN GRAPH WITH SAME DEGREE DISTRIBUTION
PDB USED = 1SE8.PDB

nodes = 205
average degree = 7.79512195122
avg clustering coeff = 0.541262775165
edges = 799
average shortest path = 5.19818268771

degree dist for protein graph =

DEGREE	DEGREE DISTR
2	0.00487804878049
3	0.019512195122
4	0.0780487804878
5	0.0585365853659
6	0.131707317073
7	0.185365853659
8	0.112195121951
9	0.146341463415
10	0.0975609756098
11	0.107317073171
12	0.0439024390244
13	0.00487804878049
14	0.00487804878049
15	0.0

clustering coeff dist for protein graph =

DEGREE	CLUSTERING COEFF DISTR
2	0.6
3	0.486666666667
4	0.461073318216
5	0.194995408632
6	0.264880952381
7	0.223123361899
8	0.10630806292
9	0.102668119224
10	0.0565875969385
11	0.0544886316907
12	0.0207688351253
13	0.0024083196497
14	0.00231729055258
15	0.0

degree dist for random graph =

DEGREE	DEGREE DISTR
2	0.00487804878049

3	0.019512195122
4	0.0780487804878
5	0.0585365853659
6	0.131707317073
7	0.185365853659
8	0.112195121951
9	0.146341463415
10	0.0975609756098
11	0.107317073171
12	0.0439024390244
13	0.00487804878049
14	0.00487804878049
15	0.0

clustering coeff dist for random graph =

DEGREE	CLUSTERING COEFF DISTR
--------	------------------------

2	0.1
3	0.0866666666667
4	0.119614512472
5	0.0329529056802
6	0.0559788359788
7	0.0532092057602
8	0.0279423514961
9	0.0262167560181
10	0.0185012193784
11	0.0200270656229
12	0.00854549740688
13	0.000437876299945
14	0.000802139037433
15	0.0