**Figure S8**

(A) Node degree distribution for different taxonomic groups:
- Essential-HQ (380 proteins)
- Non-essential-HQ (1905 proteins)
- Essential-LQ (569 proteins)
- Non-essential-LQ (3621 proteins)
- Essential-Random (380 proteins)
- Non-essential-Random (1905 proteins)

(B) Node degree distribution for different interaction categories:
- Conserved-HQ (935 proteins)
- Medium conserved-HQ (820 proteins)
- Non conserved-HQ (321 proteins)
- Conserved-LQ (1168 proteins)
- Medium conserved-LQ (1437 proteins)
- Non conserved-LQ (1197 proteins)
- Conserved-Random (935 proteins)
- Medium conserved-Random (820 proteins)
- Non conserved-Random (321 proteins)

(C) Node clustering coefficient distribution:
- Hubs-HQ (380 proteins)
- Non hubs-HQ (1905 proteins)
- Hubs-LQ (569 proteins)
- Non hubs-LQ (3621 proteins)

(D) Betweenness distribution for different categories:
- Essential-HQ (380 proteins)
- Non-essential-HQ (1905 proteins)
- Essential-LQ (569 proteins)
- Non-essential-LQ (3621 proteins)
- Essential-Random (380 proteins)
- Non-essential-Random (1905 proteins)