

a Network properties

Property

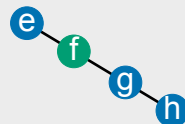
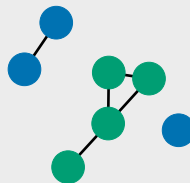
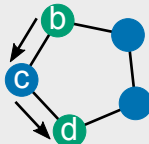
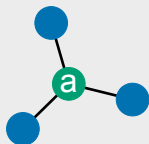
Degree

Shortest path

Largest connected component

Betweenness centrality

Example



Value

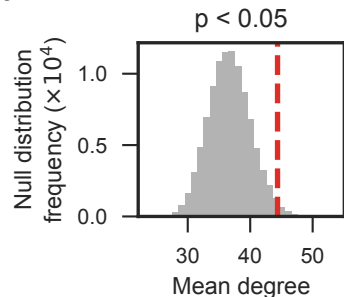
$D(a) = 3$

$SP(b,d) = bcd = 2$

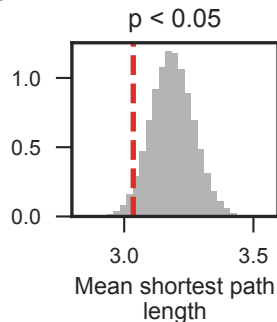
$LCC = 4$

$$BC(f) = \frac{|\{efgh, efg\}|}{|\{efgh, efg, fgh\}|} = 0.66$$

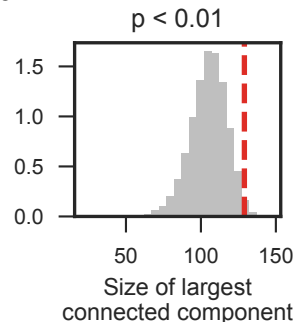
b



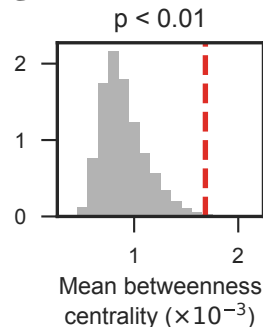
c



d



e



--- Significantly altered proteins Null distribution from 10,000 random samples