Network Topology Analysis and Hub Target Identification
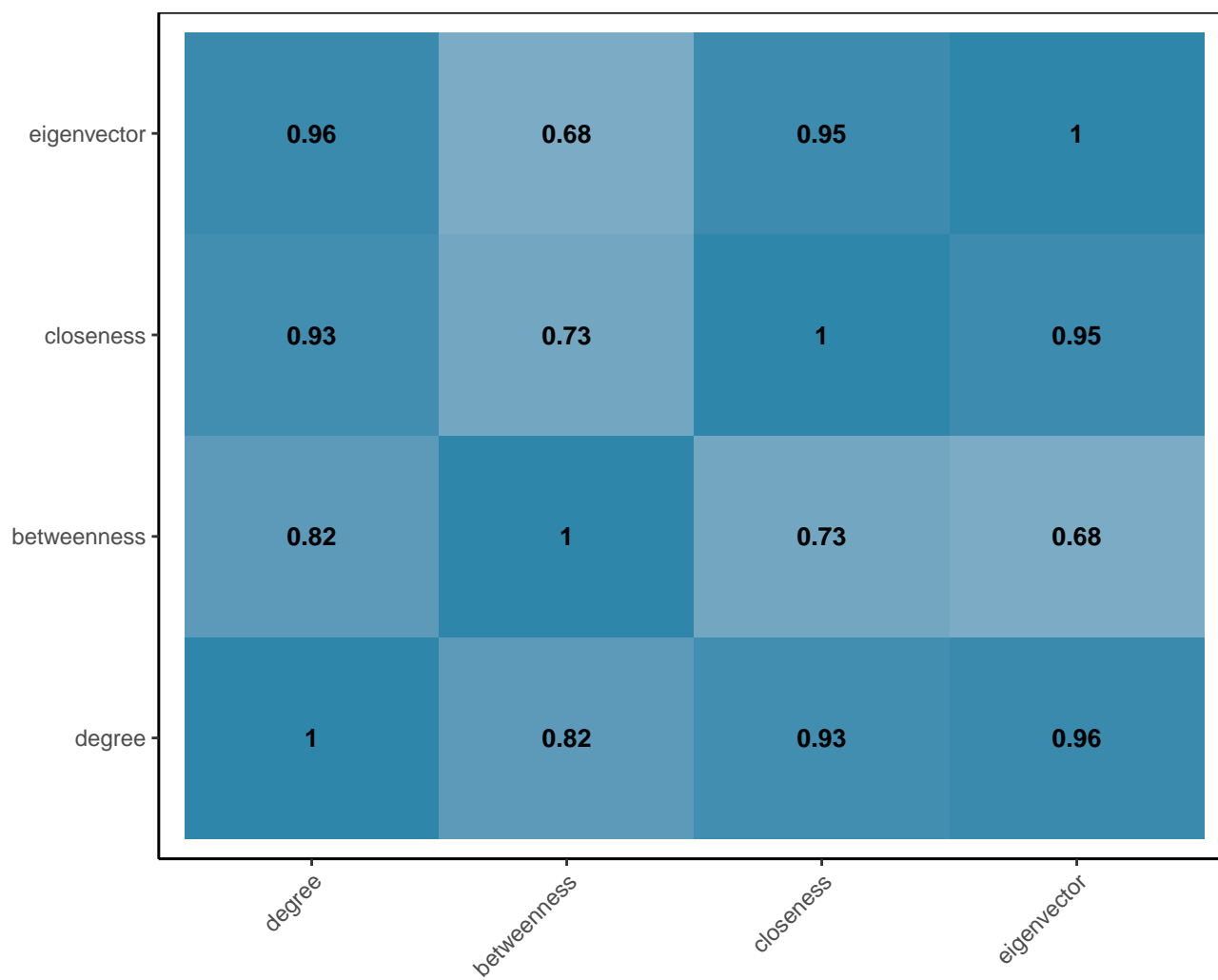
Panel A: Degree Distribution

Mean: 12
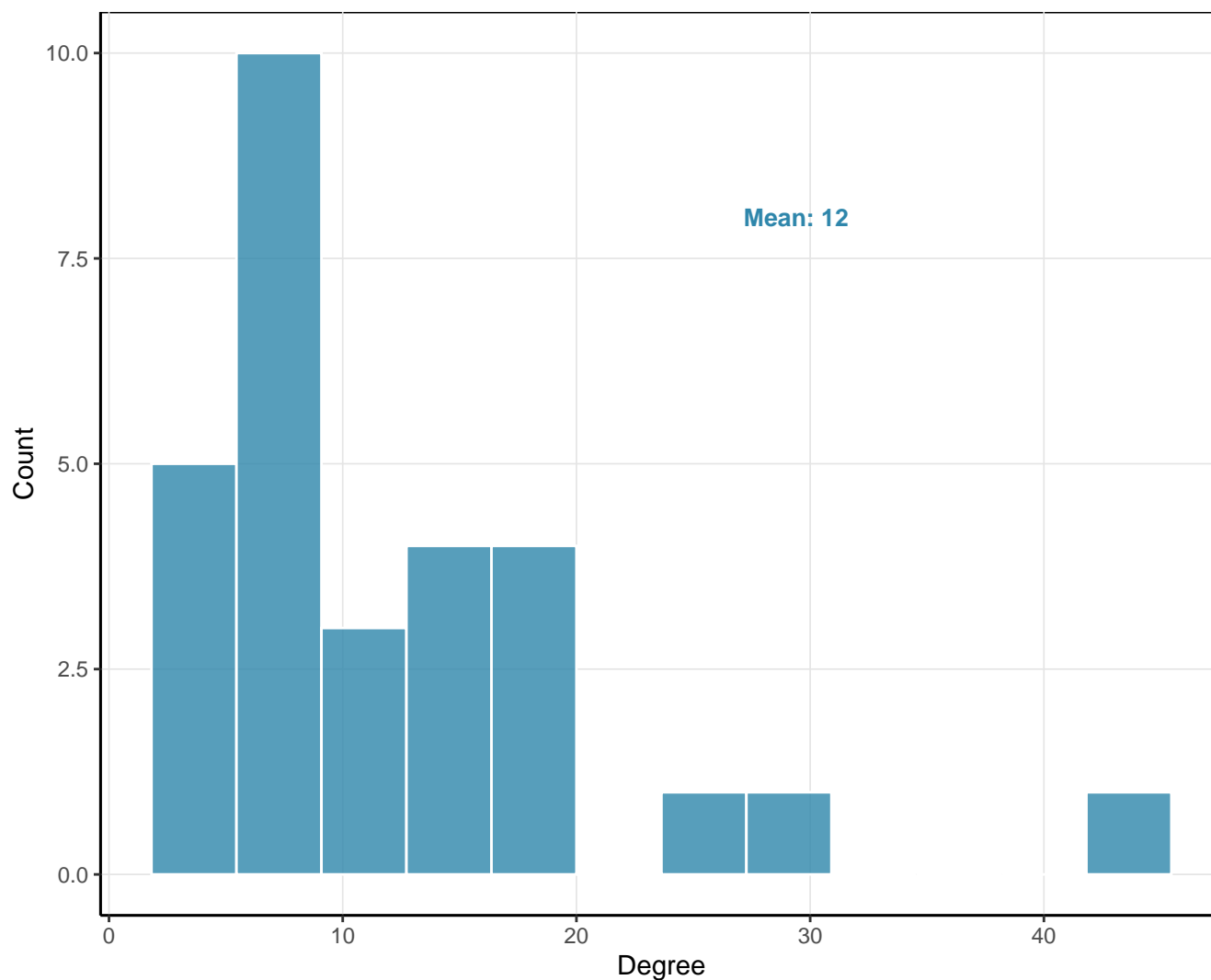
Panel B: Centrality Analysis

TP53, PTGS2, EGFR, TOP1, TRPA1, CYP2C9, CYP3A4, MAPK1, HIF1A
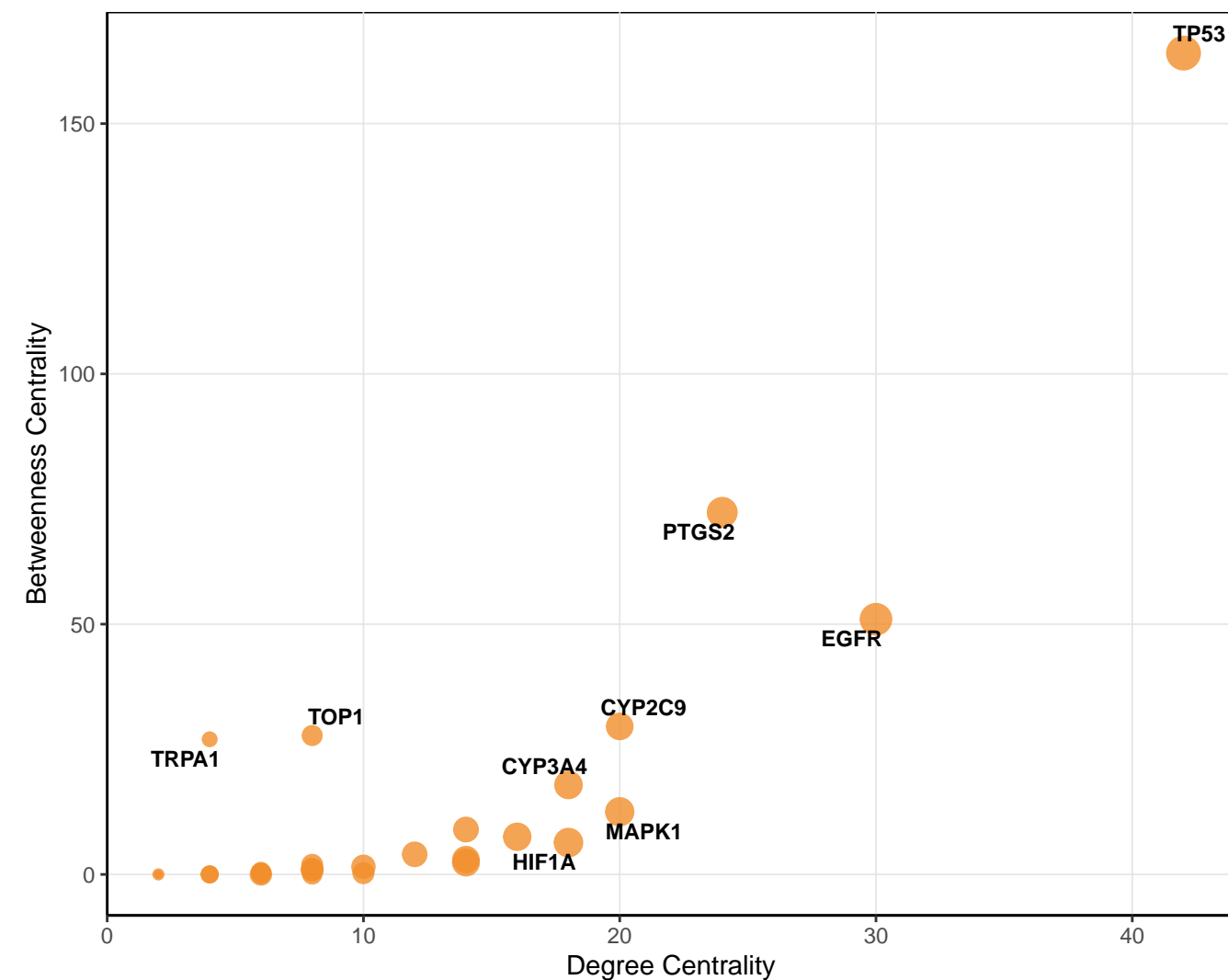
Panel C: Centrality Correlation

	degree	betweenness	closeness	eigenvector
eigenvector	0.96	0.68	0.95	1
closeness	0.93	0.73	1	0.95
betweenness	0.82	1	0.73	0.68
degree	1	0.82	0.93	0.96

Panel D: Hub Protein Connectivity

Hub Proteins	Degree Centrality
TP53	42
EGFR	30
PTGS2	24
MAPK1	20
CYP2C9	20
HIF1A	18
CYP3A4	18