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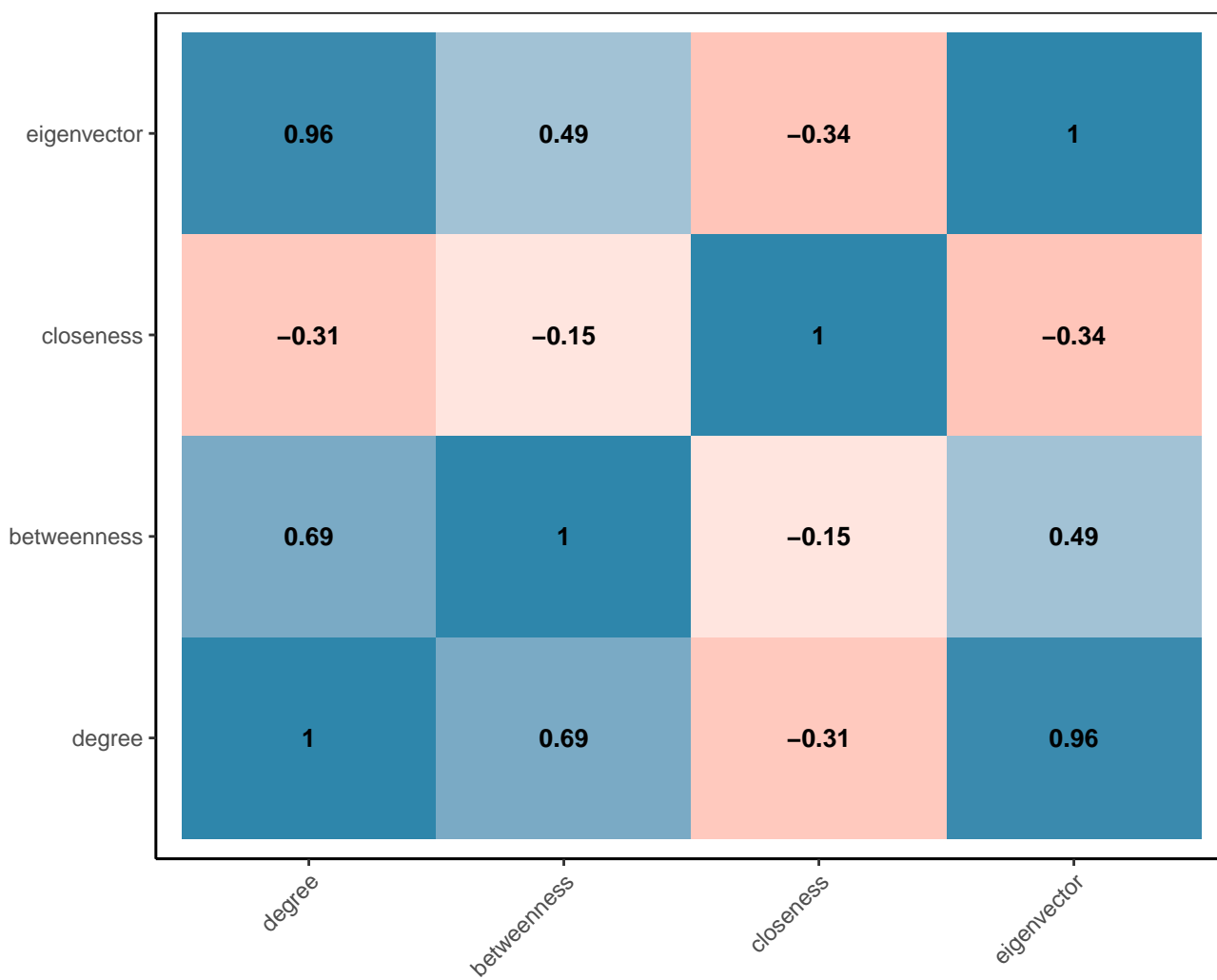
Panel A: Degree Distribution

Mean: 9.3
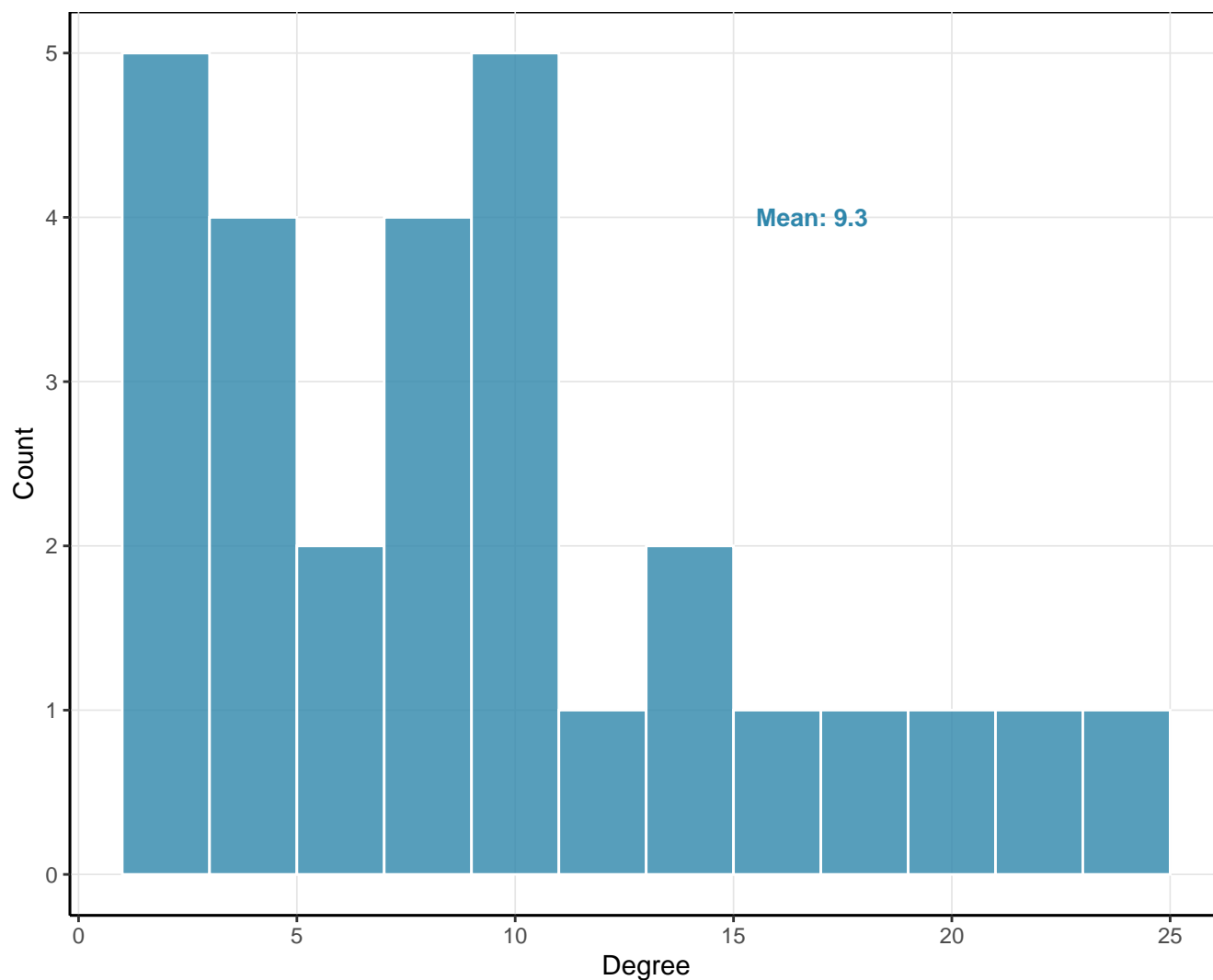
Panel B: Centrality Analysis

EGFR
PTGS2
TOP1
CYP3A4
CYP2C9
TRPA1
PTPN1
ALDH1A1
HIF1A
CYP1A2
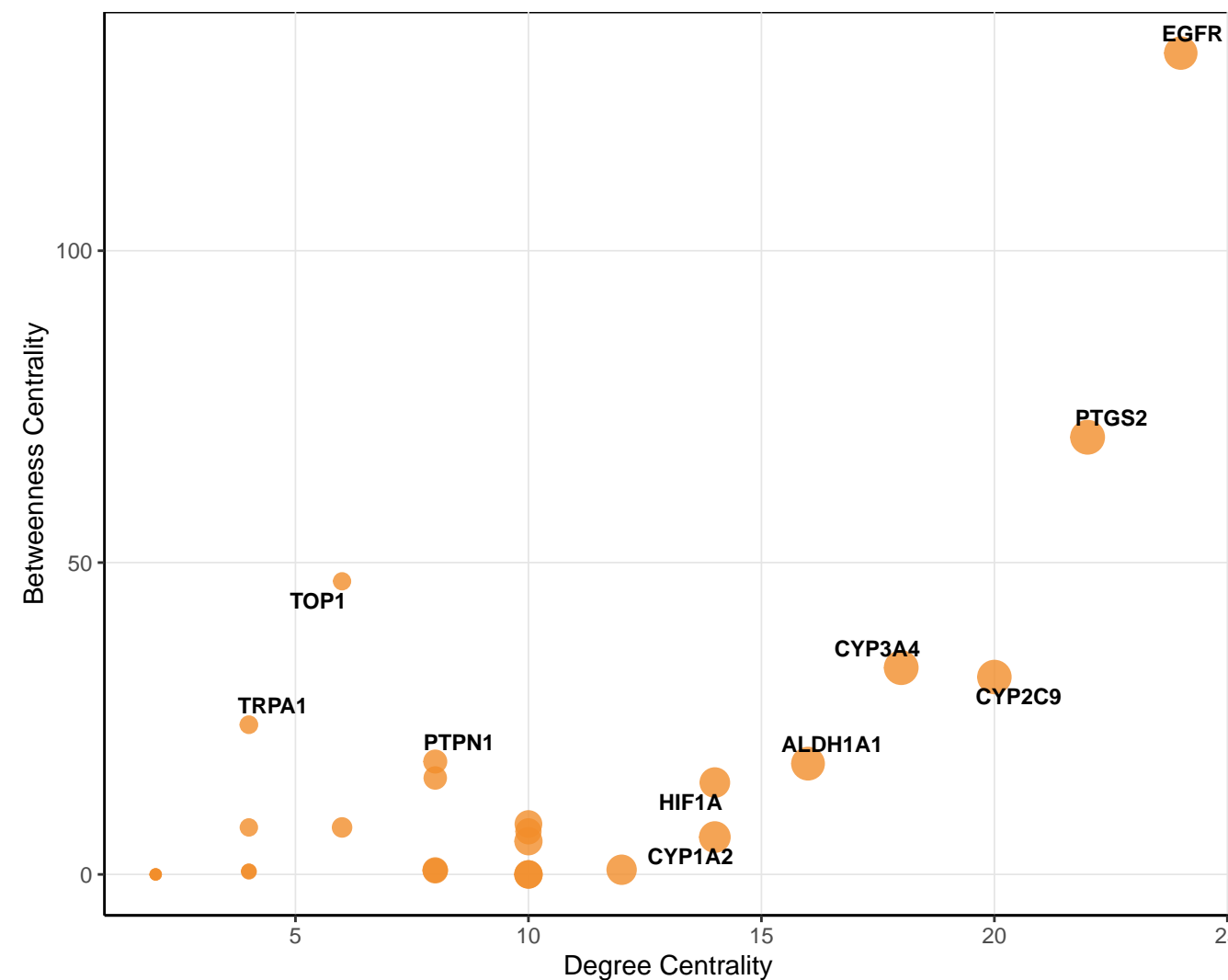
Panel C: Centrality Correlation

	degree	betweenness	closeness	eigenvector
eigenvector	0.96	0.49	−0.34	1
closeness	−0.31	−0.15	1	−0.34
betweenness	0.69	1	−0.15	0.49
degree	1	0.69	−0.31	0.96

Panel D: Hub Protein Connectivity

Hub Proteins	Degree Centrality
EGFR	24
PTGS2	22
CYP2C9	20
CYP3A4	18
ALDH1A1	16
HIF1A	14
CYP1A2	14