Network Topology Analysis and Hub Target Identification Panel A: Degree Distribution Panel B: Centrality Analysis 150 Mean: 12 7.5 Betweenness Centrality Count 5.0 PTGS2 50 · **EGFR** 2.5 CYP2C9 TOP1 TRPA1 MAPK1 0.0 10 30 20 30 40 20 40 10 Degree Centrality Degree **Panel C: Centrality Correlation Panel D: Hub Protein Connectivity** 42 TP53 · 0.96 0.68 0.95 eigenvector EGFR · 30 0.93 0.73 0.95 closeness PTGS2 Hub Proteins MAPK1 20 0.82 0.68 0.73 betweenness CYP2C9 20 0.82 0.93 0.96 degree HIF1A 18 CYP3A4 18 10 20 40 **Degree Centrality**