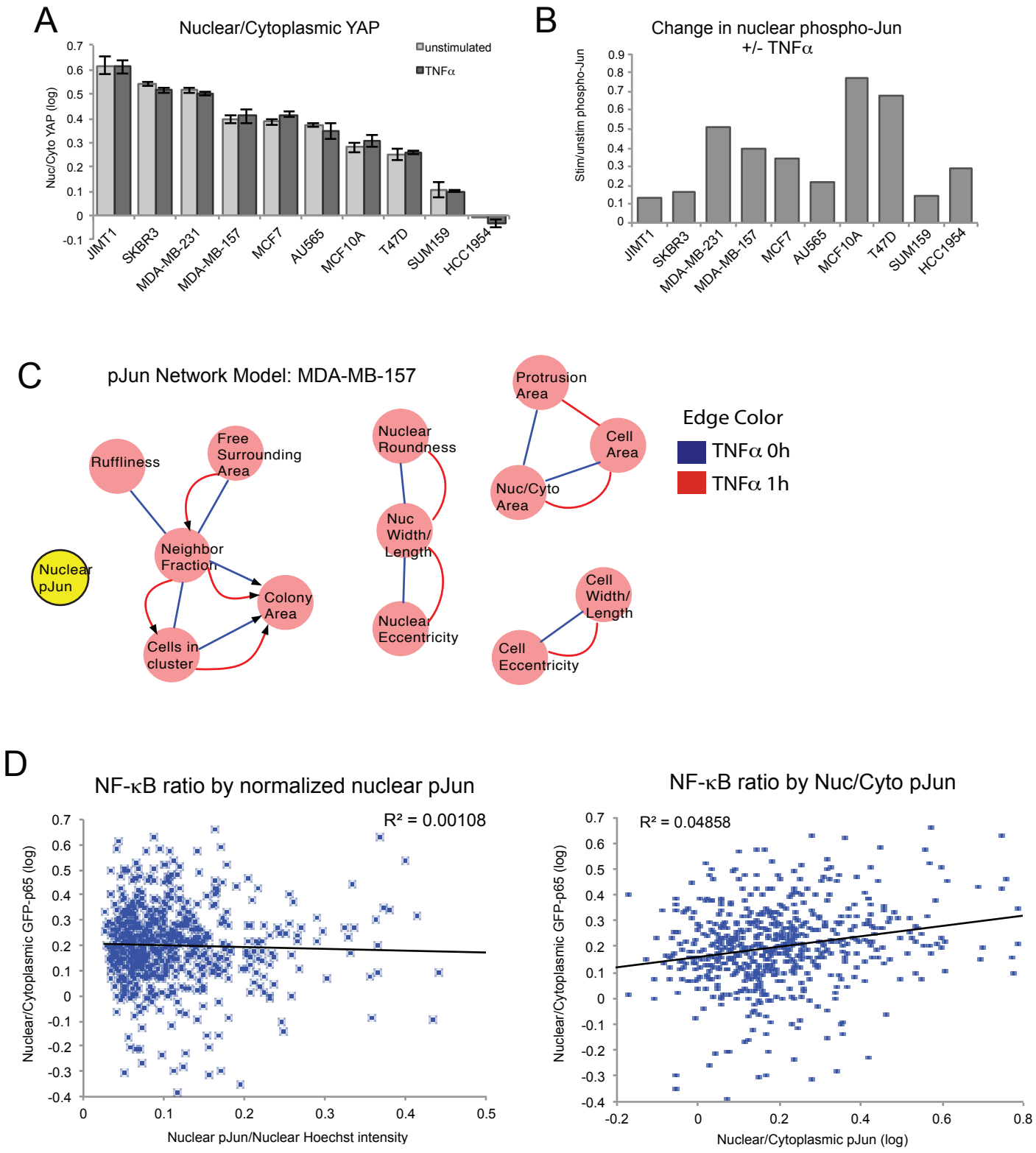
A
Nuclear/Cytoplasmic YAP
unstimulated
TNFα
Nuc/Cyto YAP (log)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
JIMT1
SKBR3
MDA-MB-231
MDA-MB-157
MCF7
AU565
MCF10A
T47D
SUM159
HCC1954
B
Change in nuclear phospho-Jun
+/- TNFα
Stim/unstim phospho-Jun
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
JIMT1
SKBR3
MDA-MB-231
MDA-MB-157
MCF7
AU565
MCF10A
T47D
SUM159
HCC1954
C
pJun Network Model: MDA-MB-157
Nuclear pJun
Ruffliness
Free Surrounding Area
Neighbor Fraction
Colony Area
Cells in cluster
Nuclear Roundness
Nuc Width/ Length
Nuclear Eccentricity
Protrusion Area
Cell Area
Nuc/Cyto Area
Cell Width/ Length
Cell Eccentricity
Edge Color
TNFα 0h
TNFα 1h
D
NF-κB ratio by normalized nuclear pJun
R² = 0.00108
Nuclear/Cytoplasmic GFP-p65 (log)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
0
0.1
0.2
0.3
0.4
0.5
Nuclear pJun/Nuclear Hoechst intensity
NF-κB ratio by Nuc/Cyto pJun
R² = 0.04858
Nuclear/Cytoplasmic GFP-p65 (log)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.2
0
0.2
0.4
0.6
0.8
Nuclear/Cytoplasmic pJun (log)