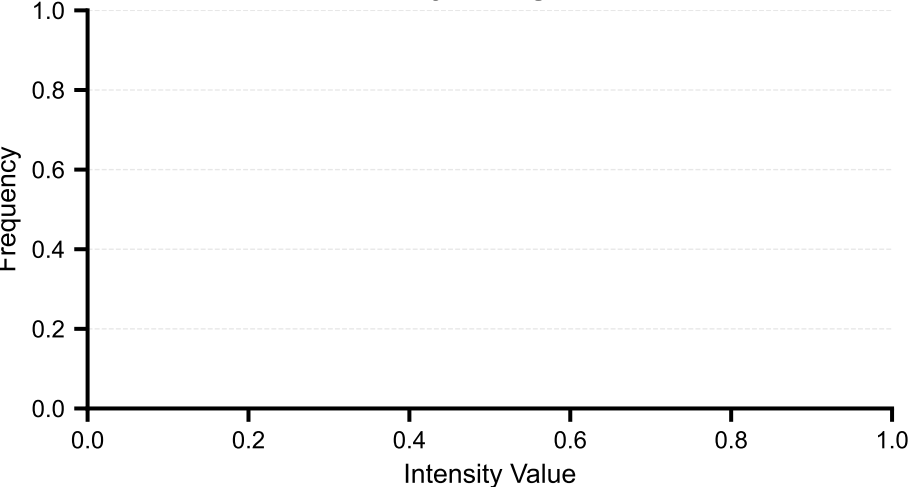
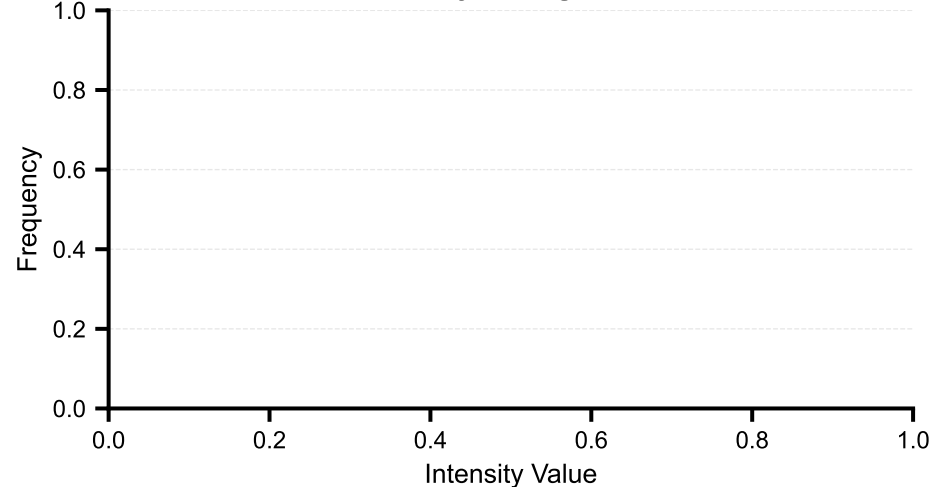


Fluorescence Microscopy Analysis: Detailed Channel Characterization

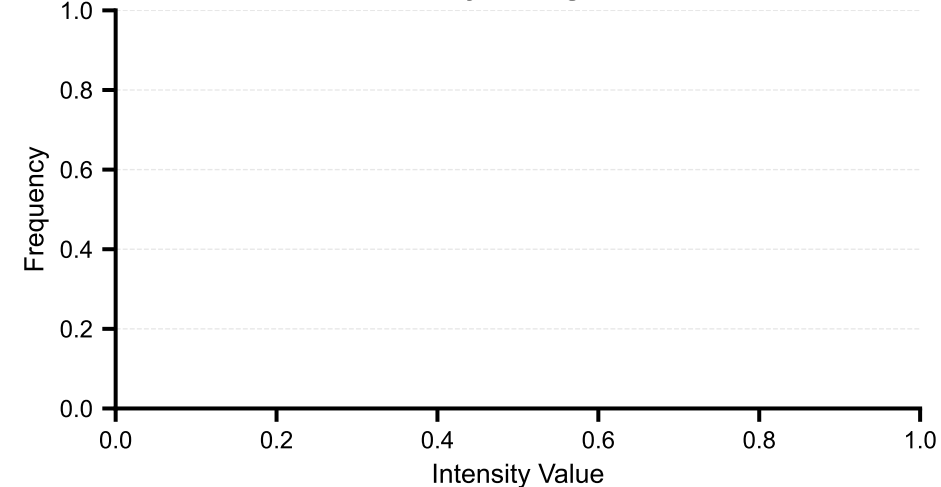
A. Intensity Histogram: DAPI



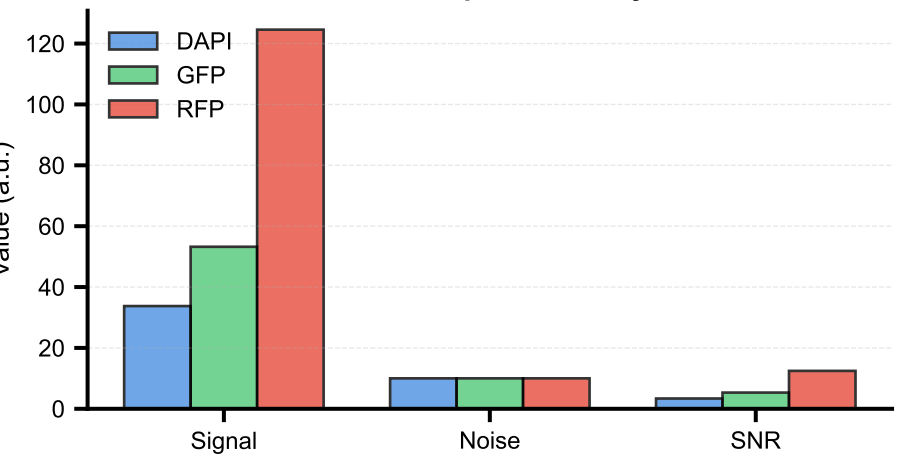
B. Intensity Histogram: GFP



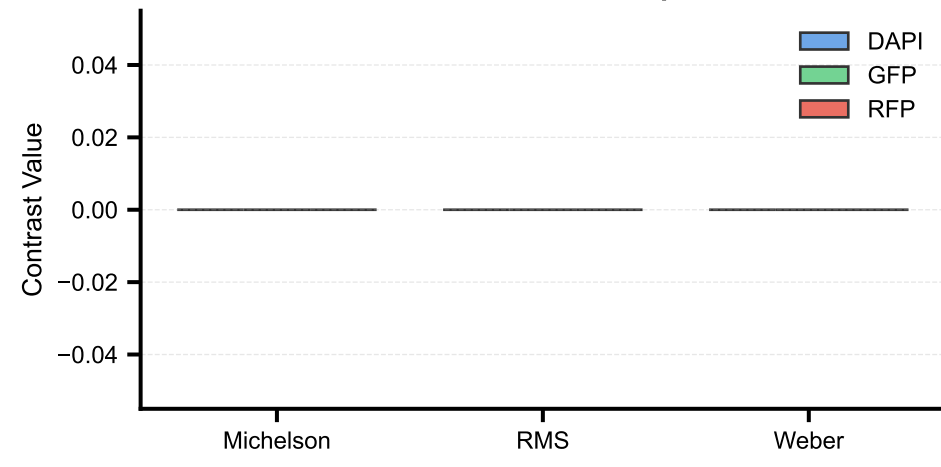
C. Intensity Histogram: RFP



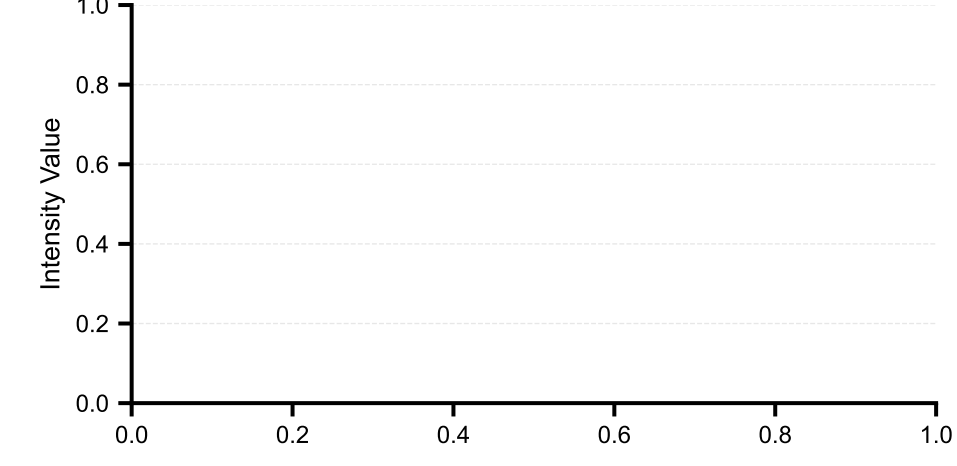
D. SNR Component Analysis



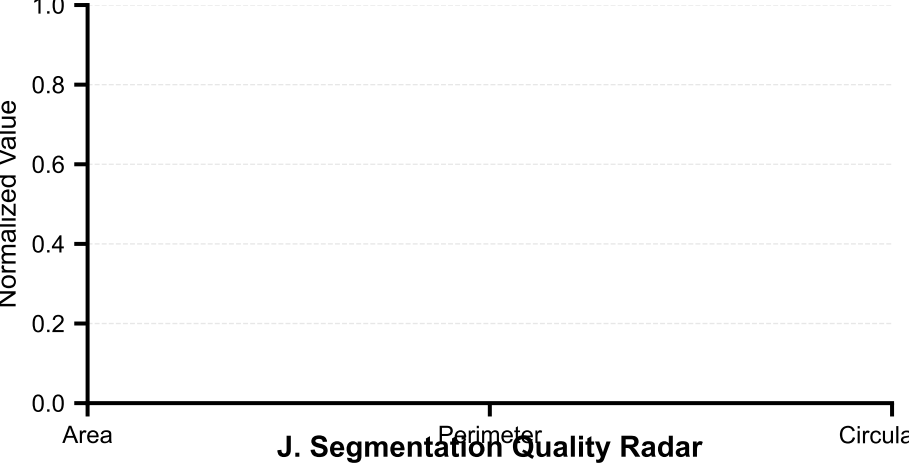
E. Contrast Metrics Comparison



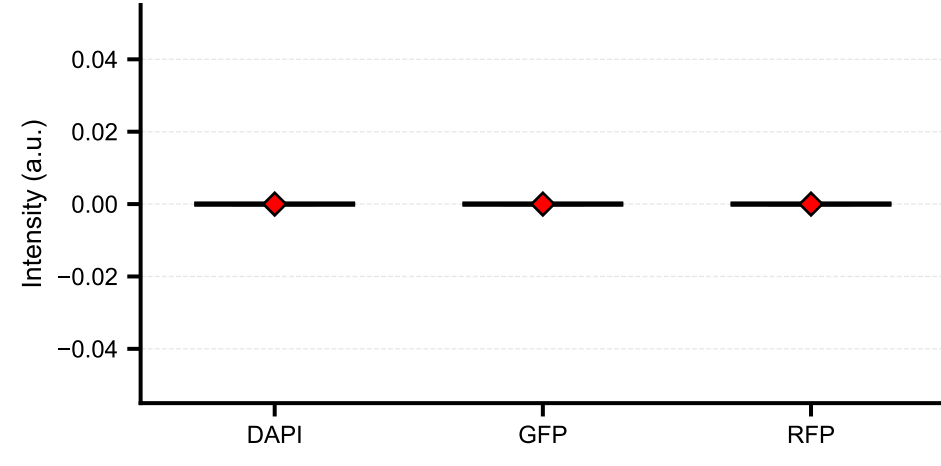
I. Dynamic Range Visualization



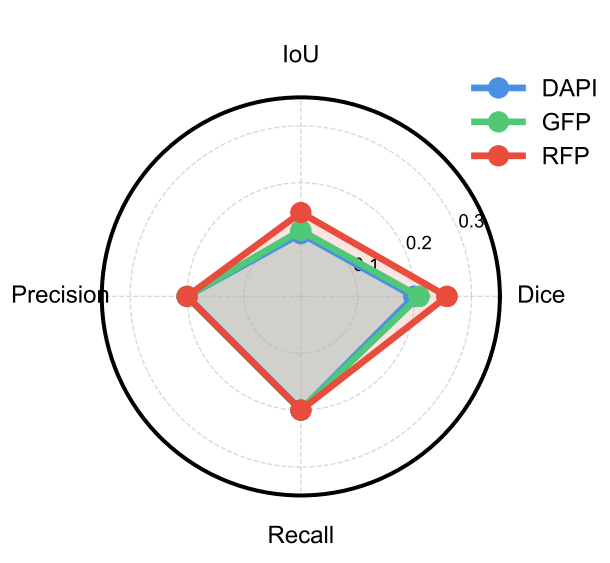
G. Morphological Features



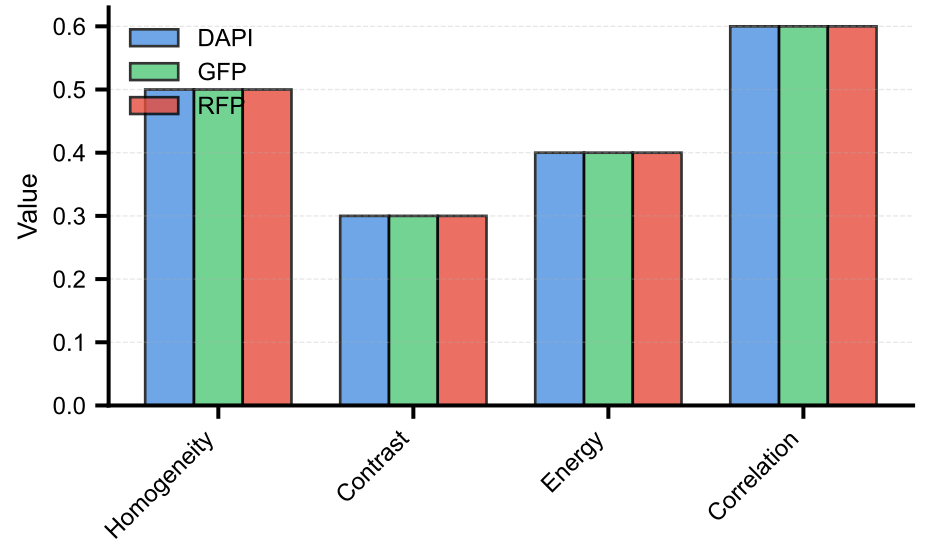
H. Intensity Distribution Box Plot



J. Segmentation Quality Radar



K. Texture Feature Analysis



L. Detailed Statistics Summary

Channel	Mean	Std	SNR	Dice
DAPI	0.0	0.0	3.38	0.199
GFP	0.0	0.0	5.32	0.208
RFP	0.0	0.0	12.46	0.257