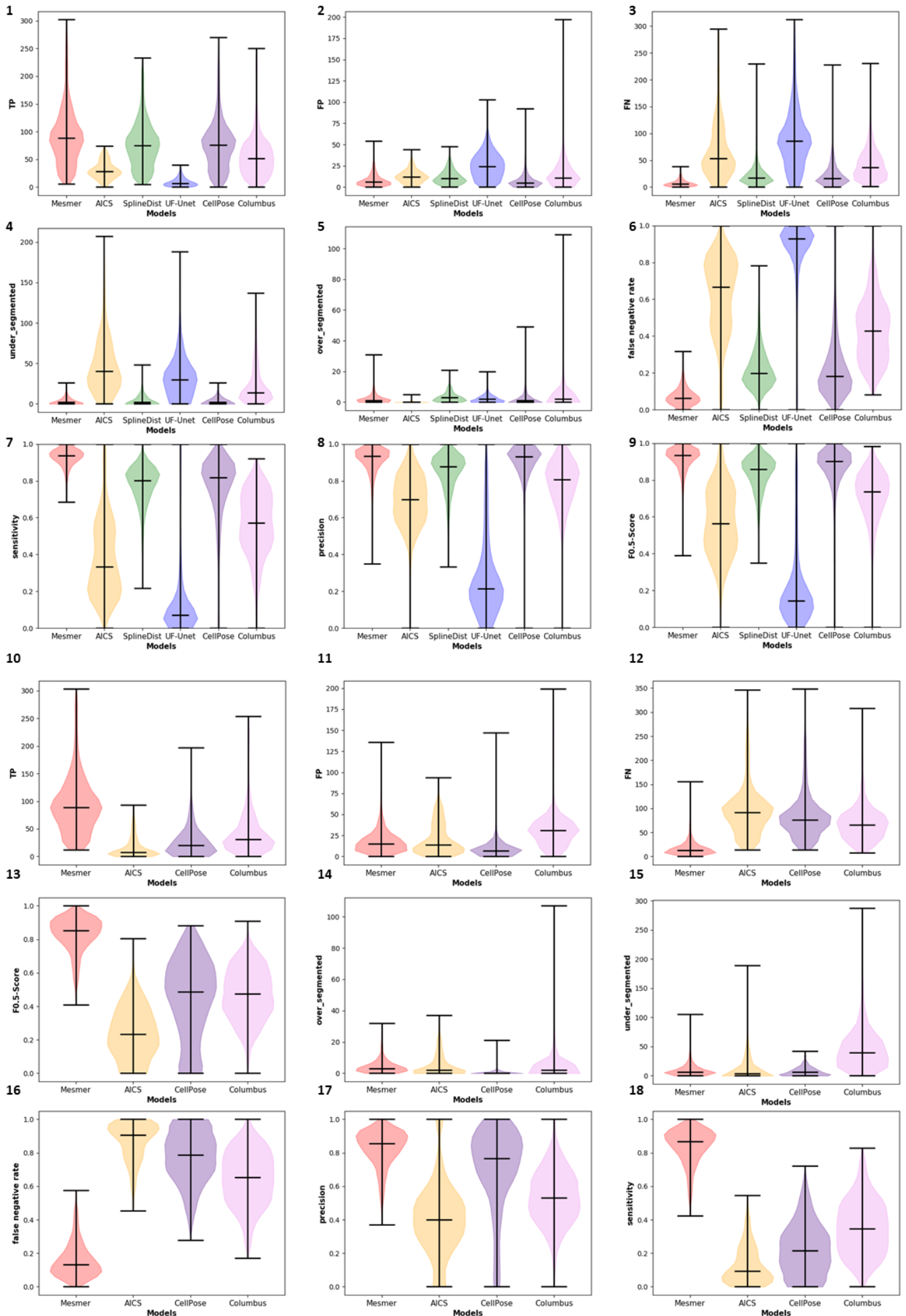
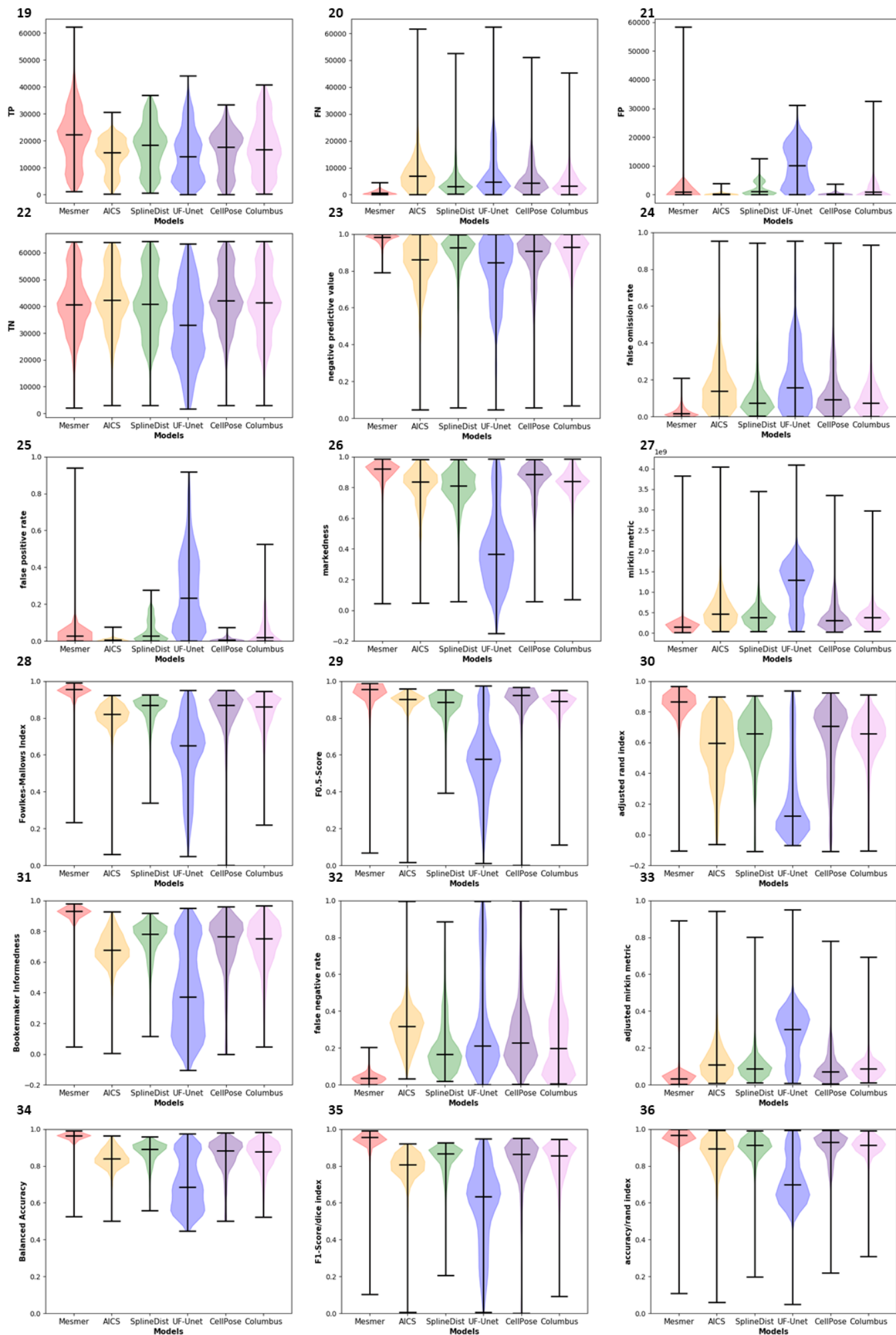


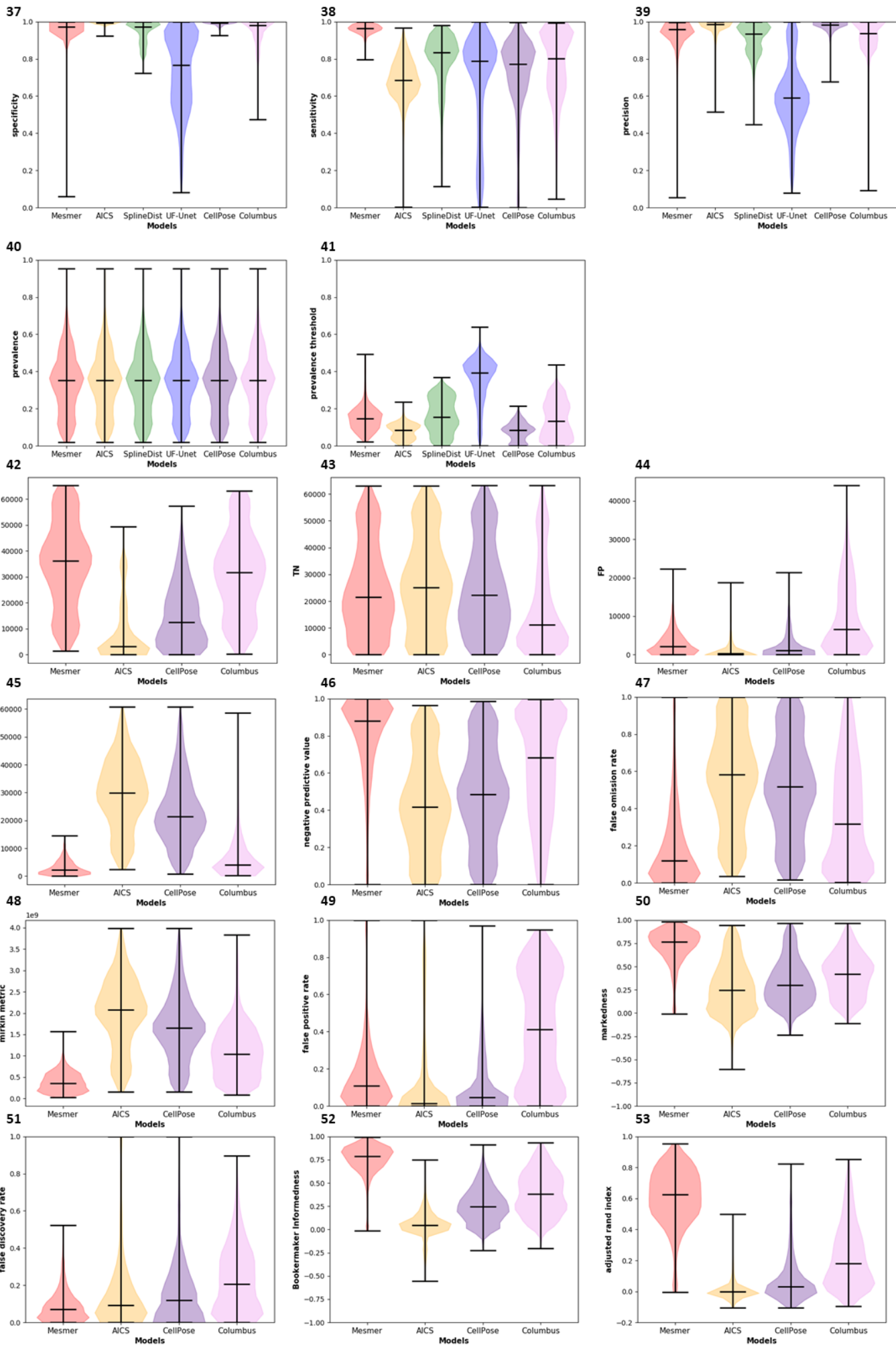
Supplementary Figures

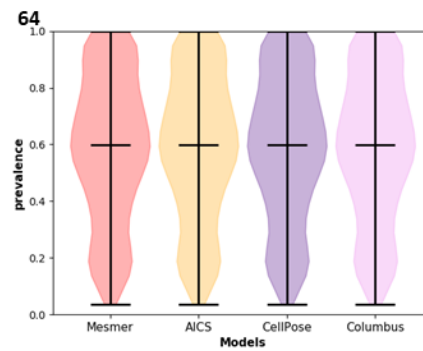
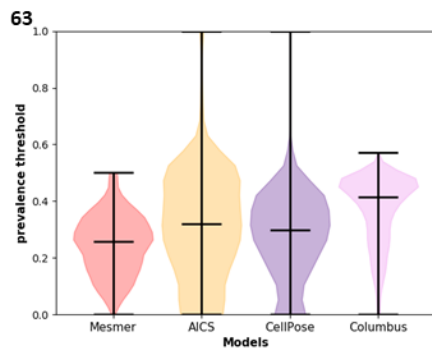
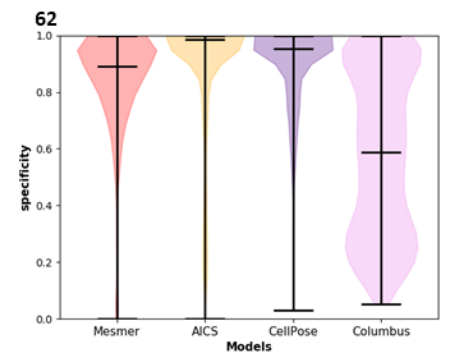
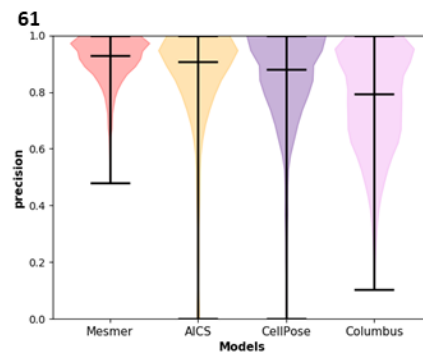
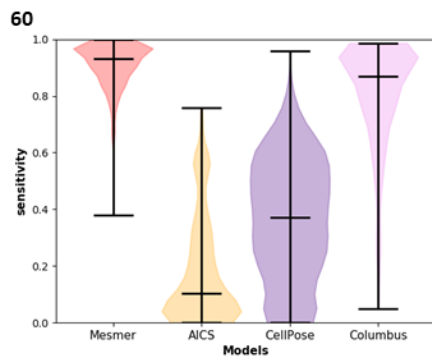
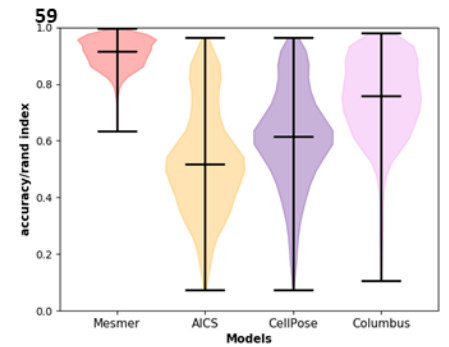
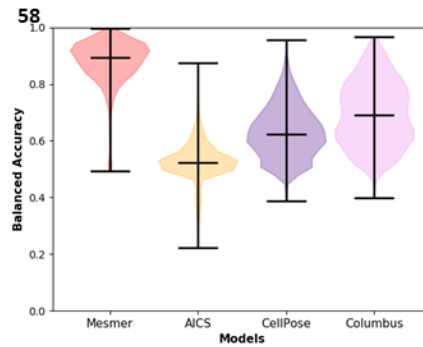
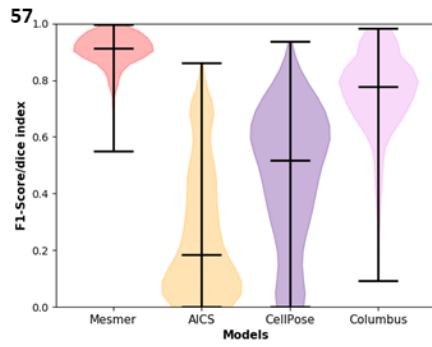
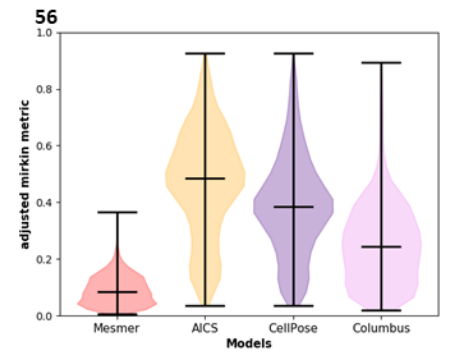
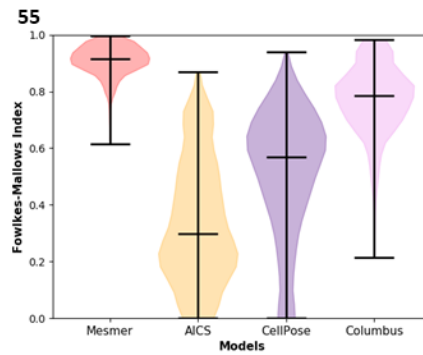
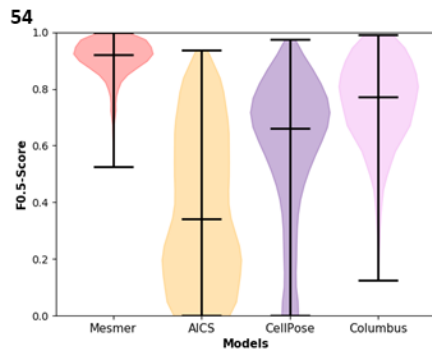
Pre-Trained Models—ROI Level Metrics. Figures 1-9: Nuclear Segmentation. Figures 10-18: Cytoplasm Segmentation



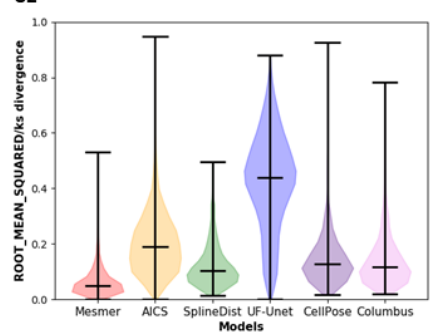
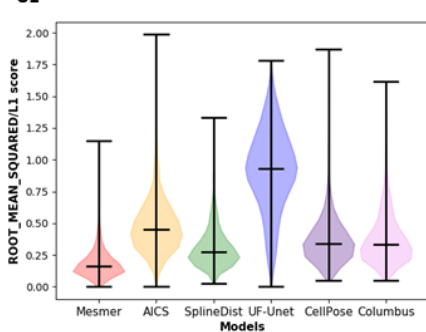
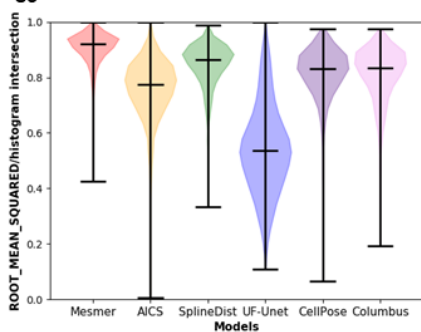
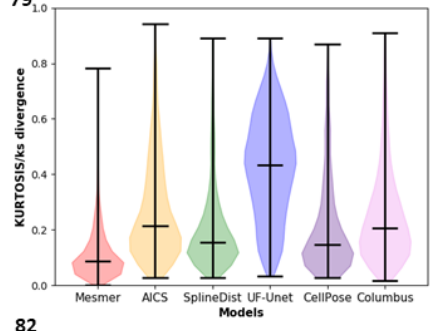
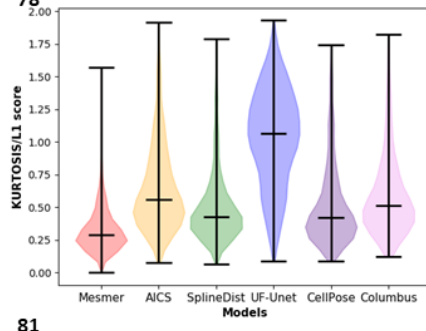
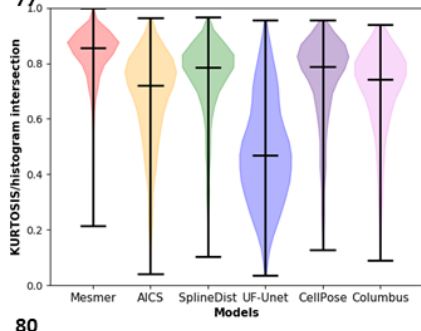
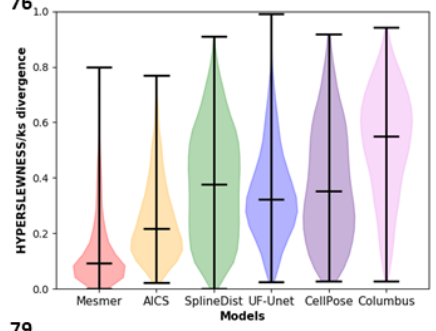
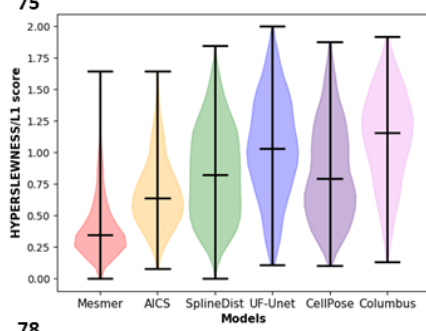
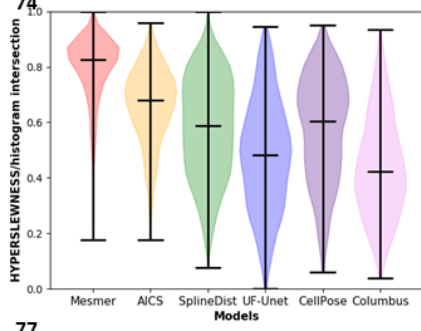
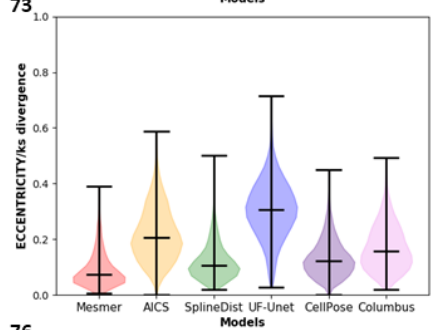
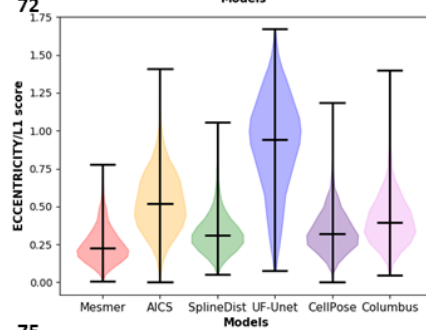
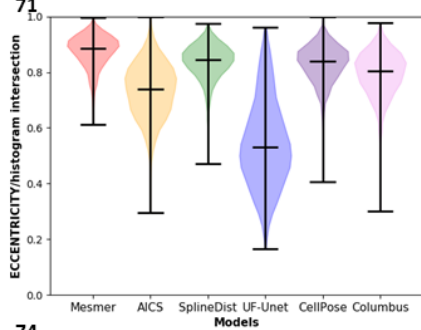
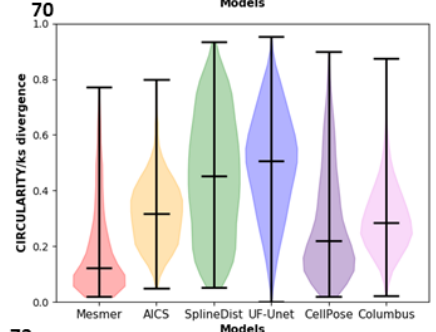
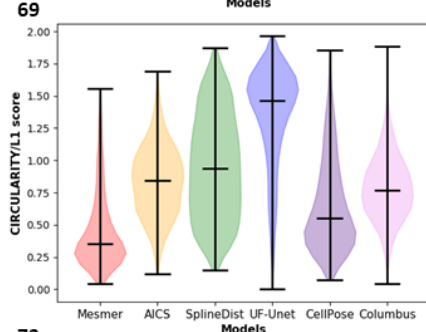
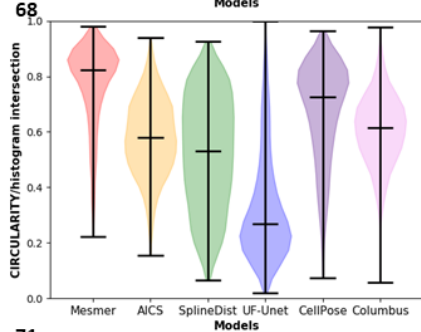
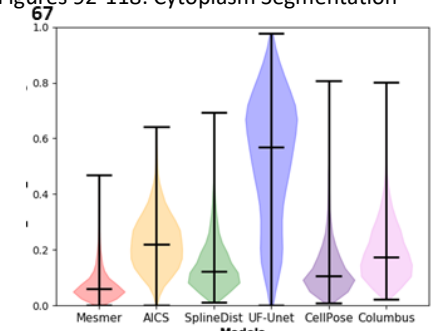
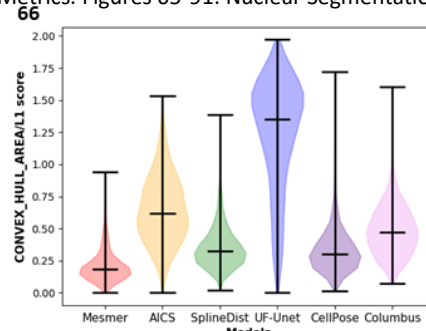
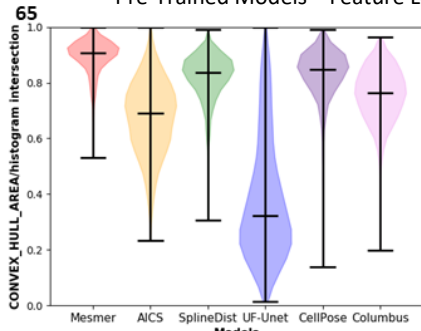
Pre-Trained Models—Pixel Level Metrics. Figures 19-41: Nuclear Segmentation. Figures 42-64: Cytoplasm Segmentation

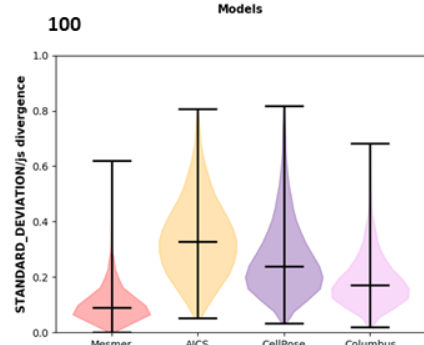
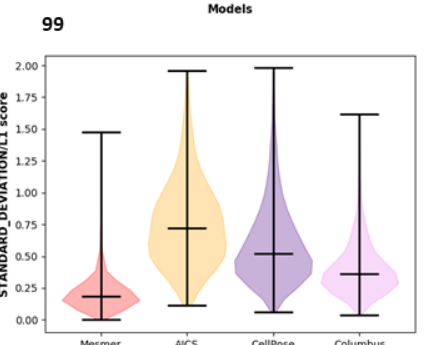
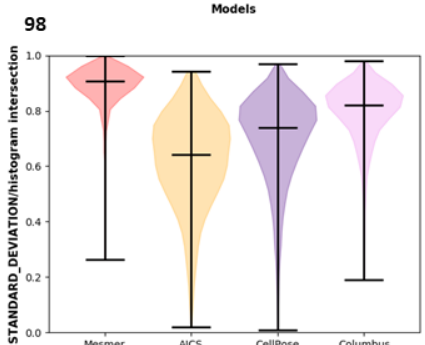
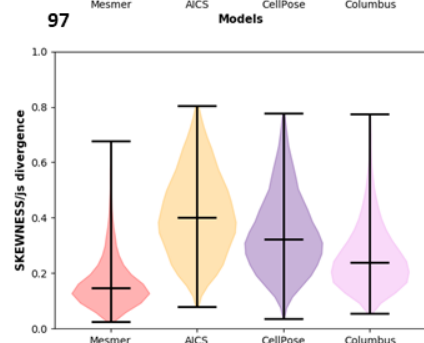
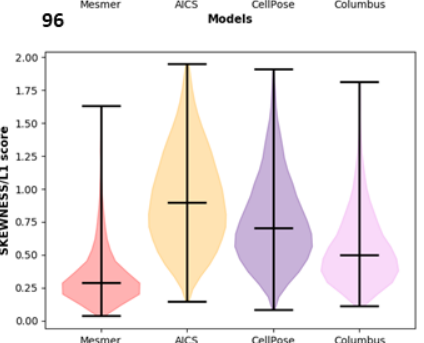
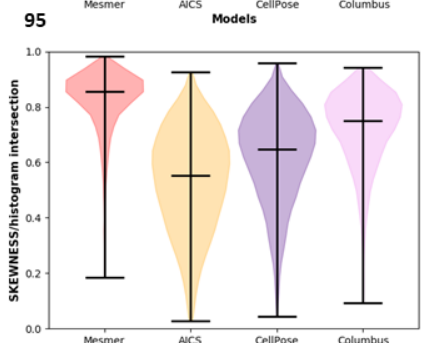
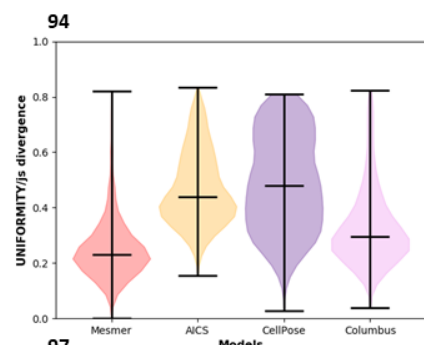
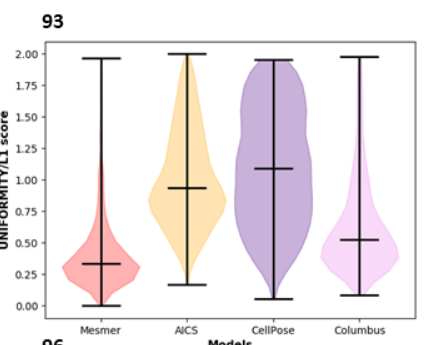
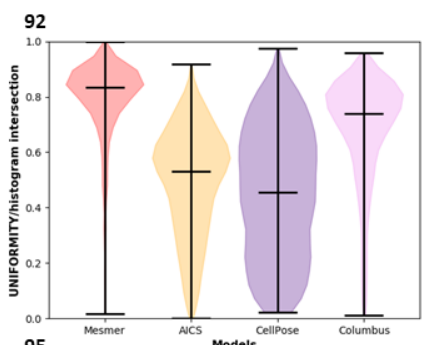
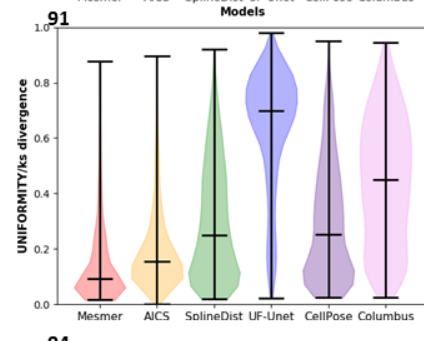
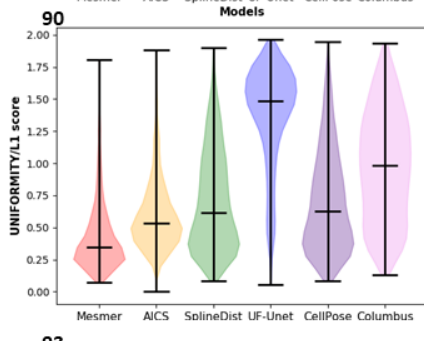
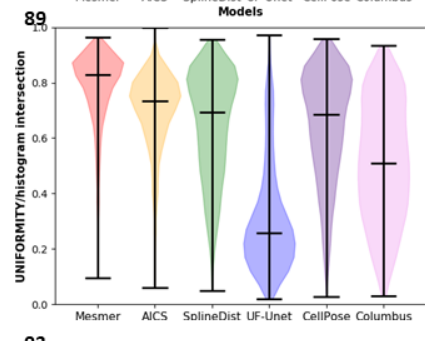
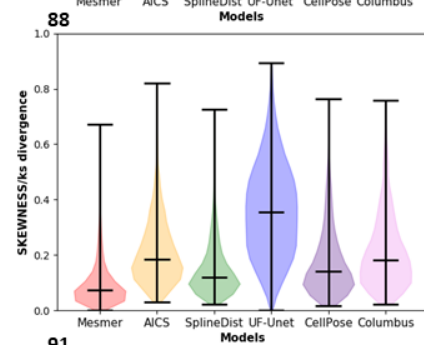
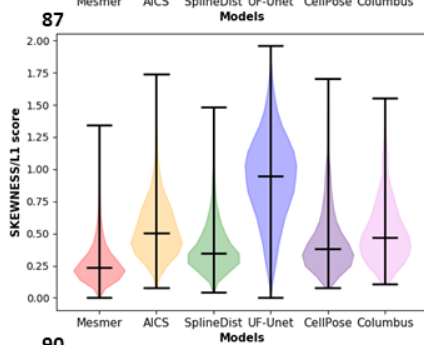
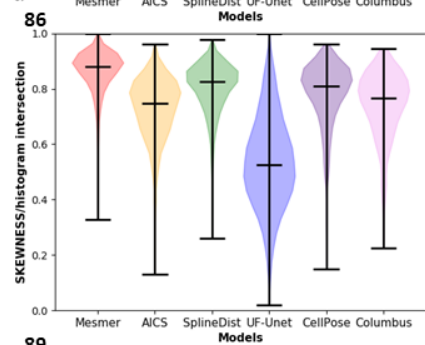
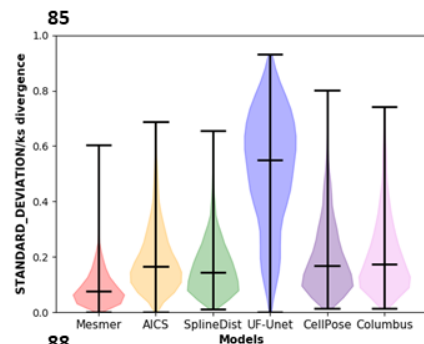
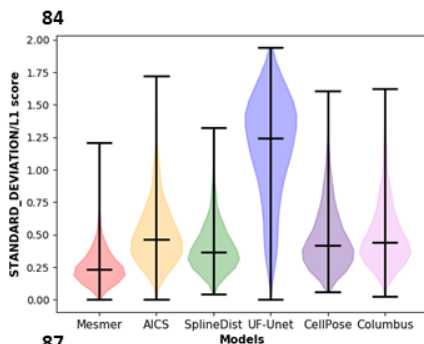
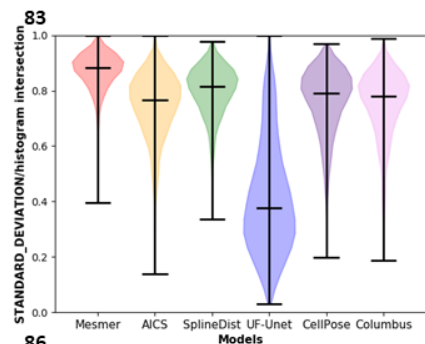


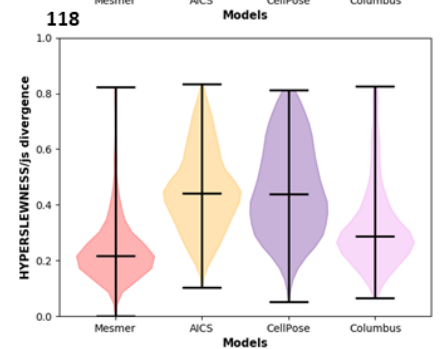
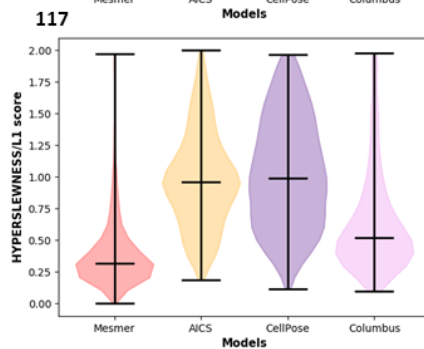
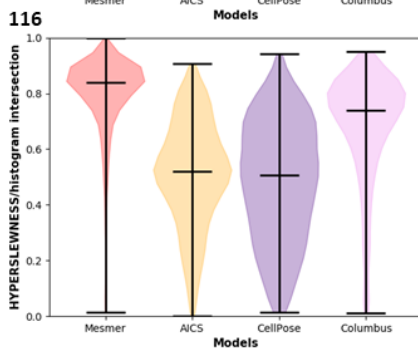
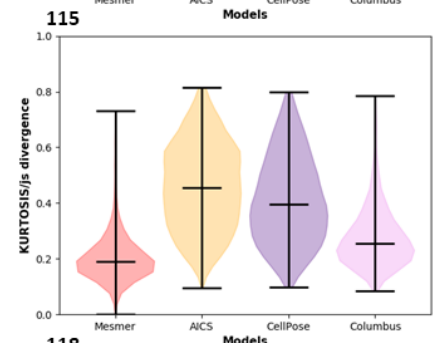
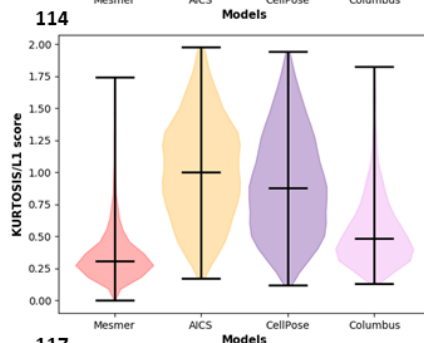
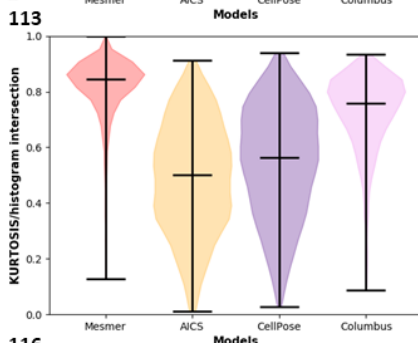
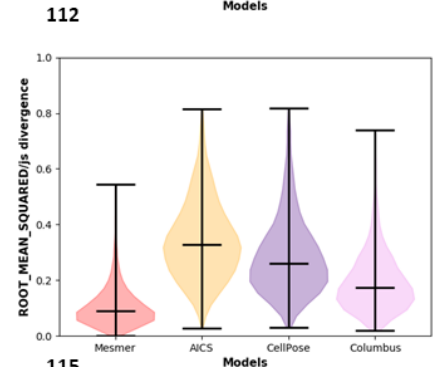
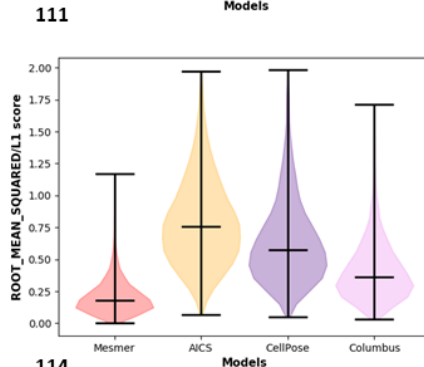
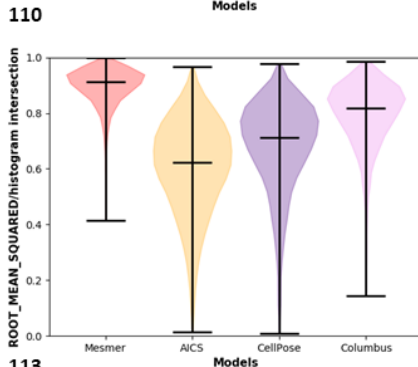
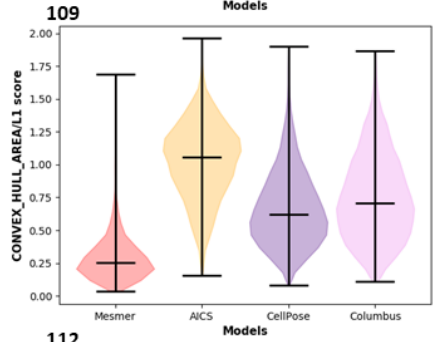
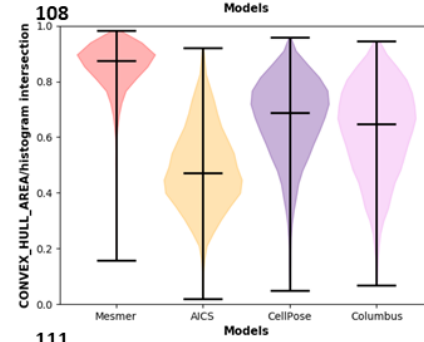
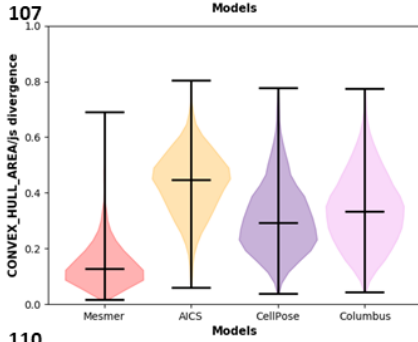
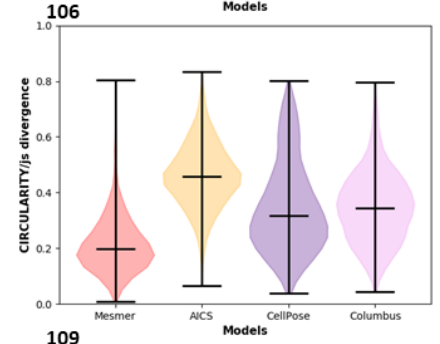
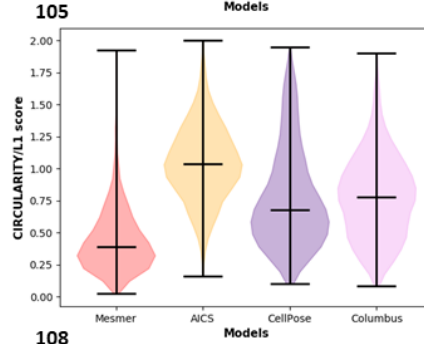
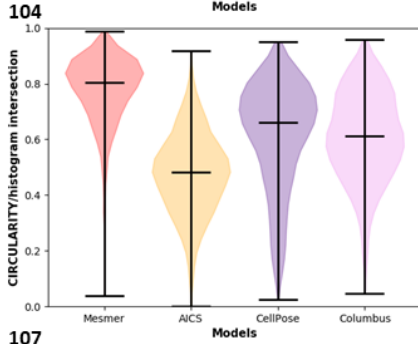
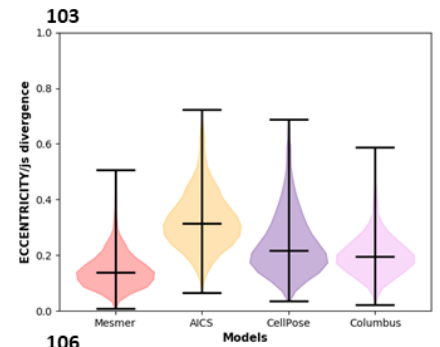
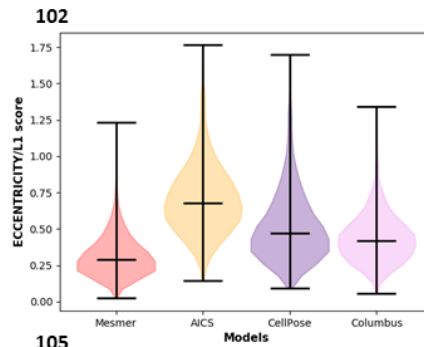
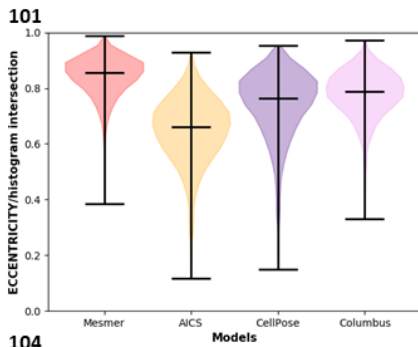


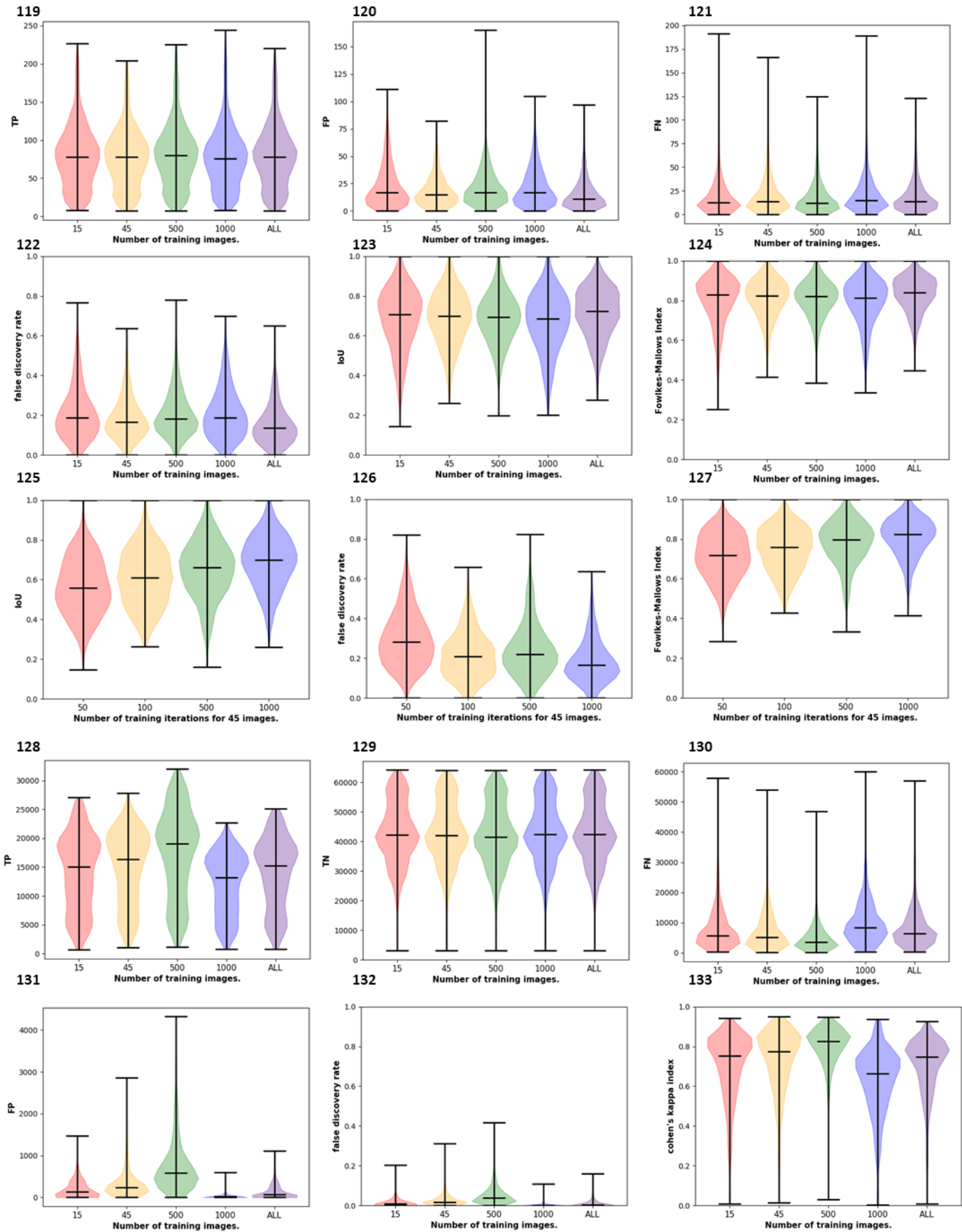


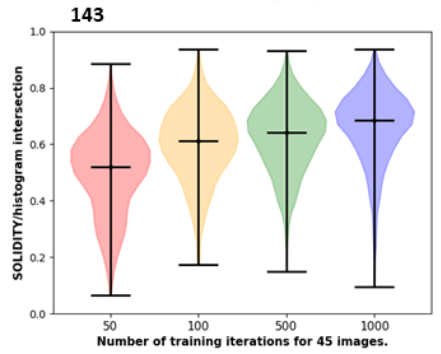
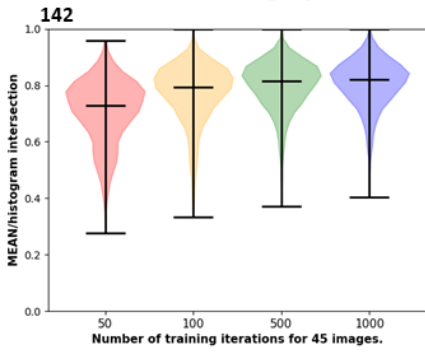
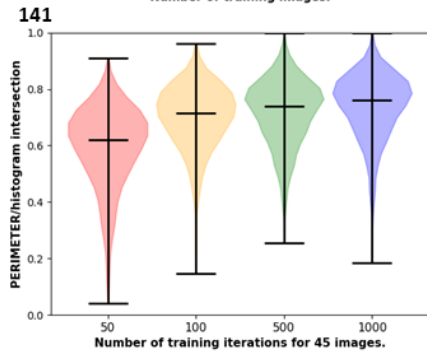
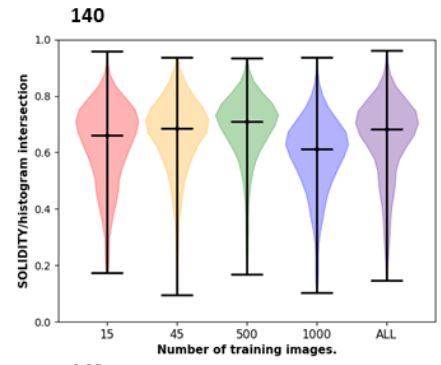
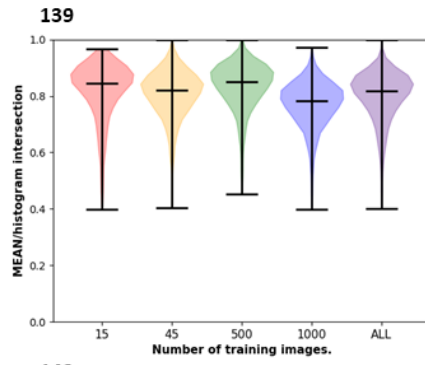
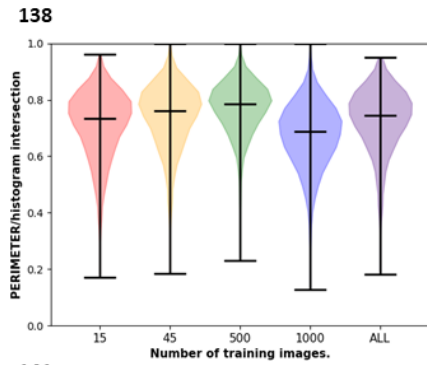
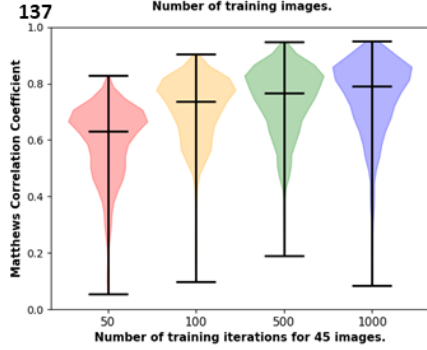
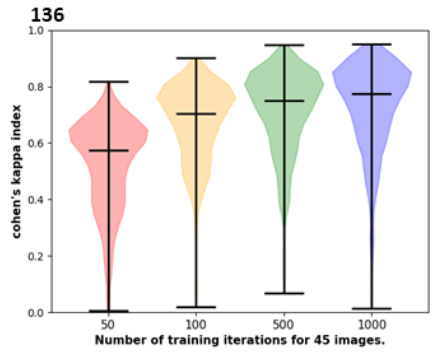
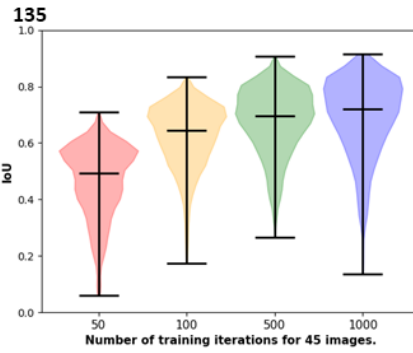
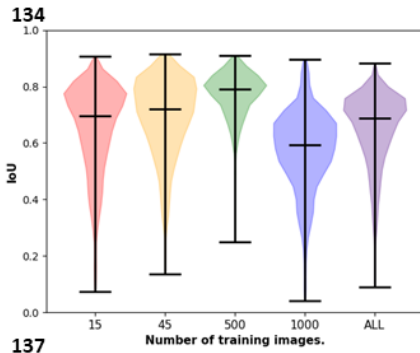
Pre-Trained Models—Feature Level Metrics. Figures 65-91: Nuclear Segmentation. Figures 92-118: Cytoplasm Segmentation



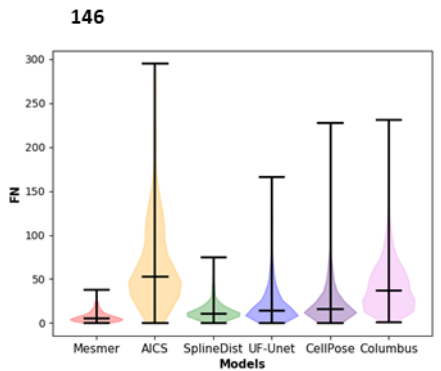
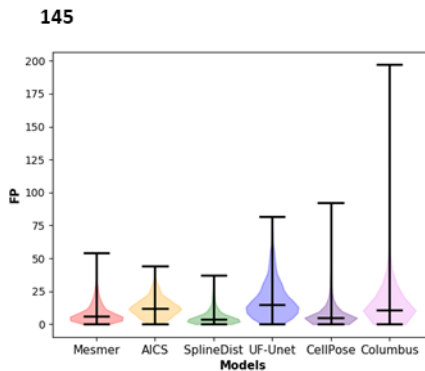
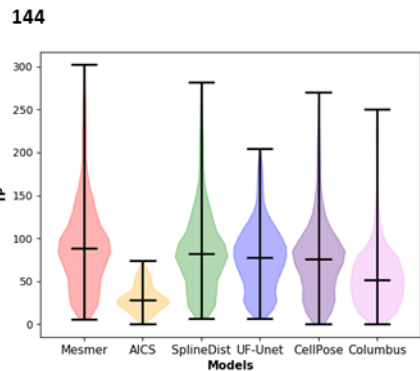


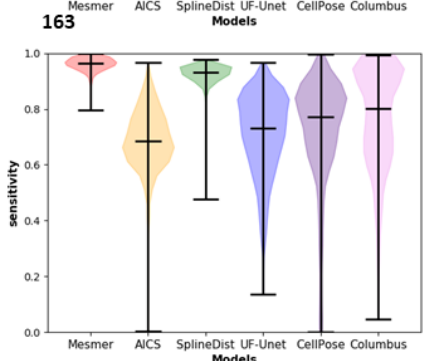
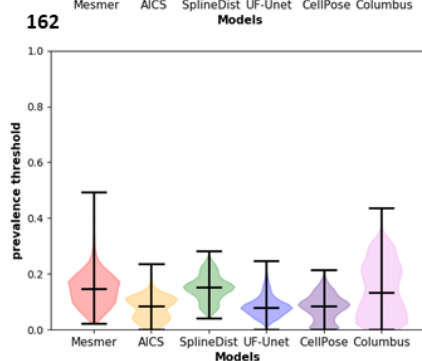
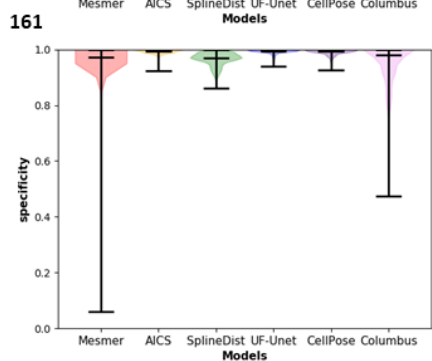
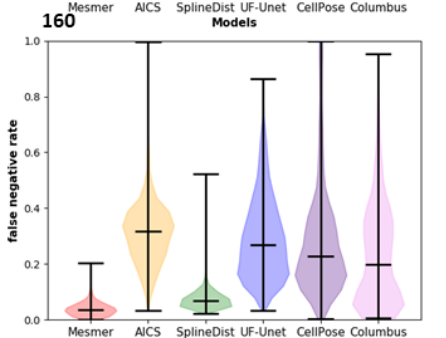
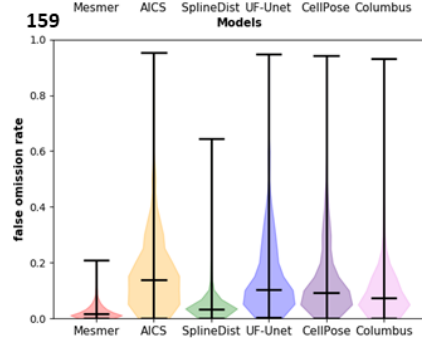
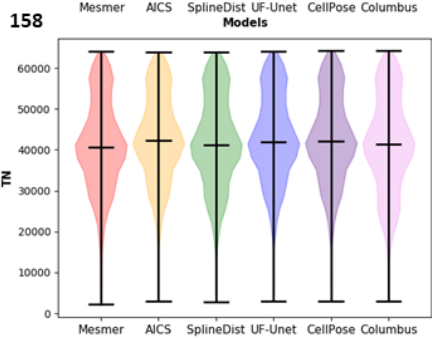
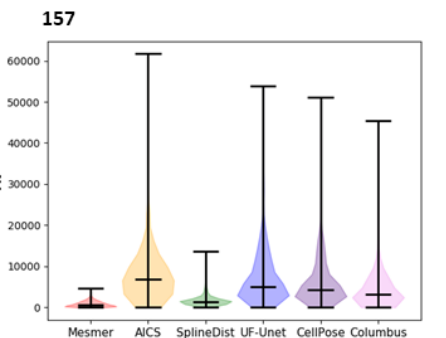
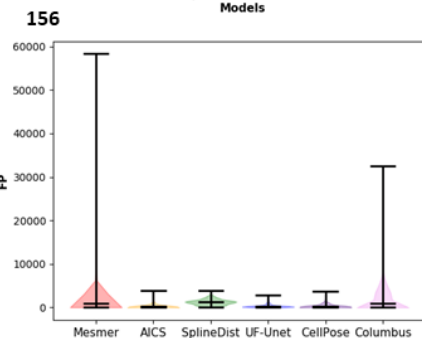
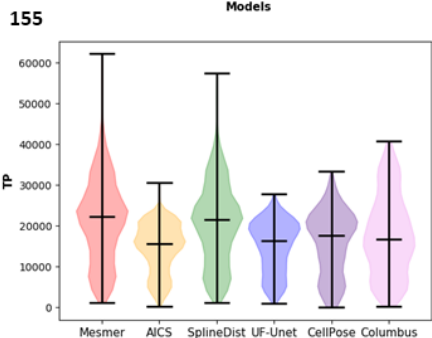
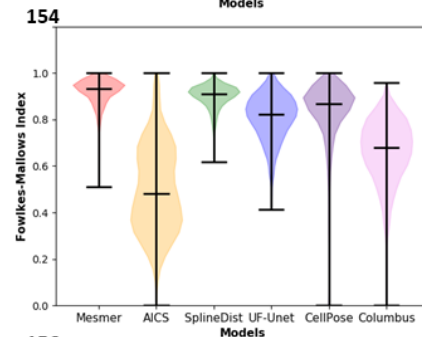
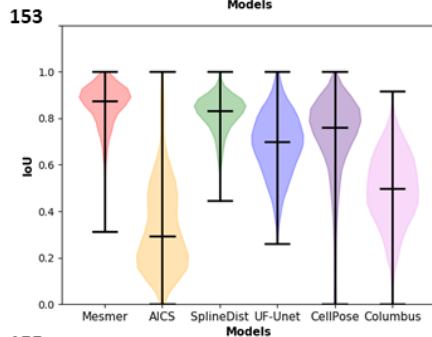
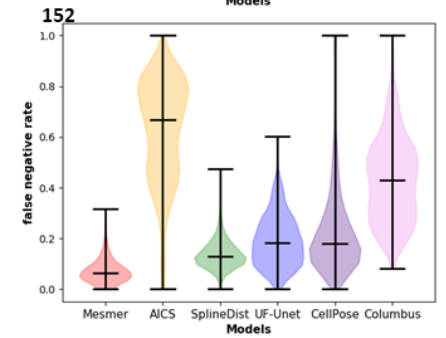
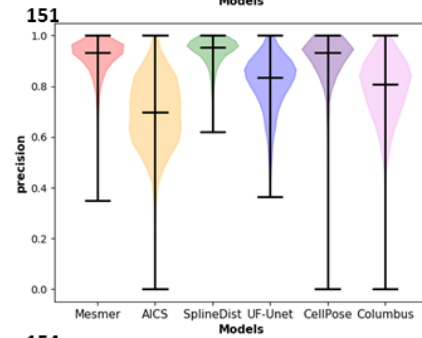
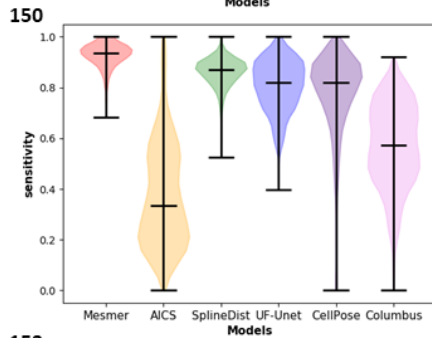
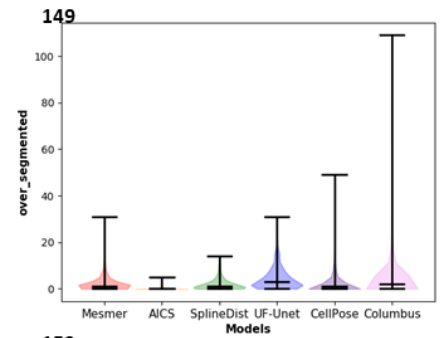
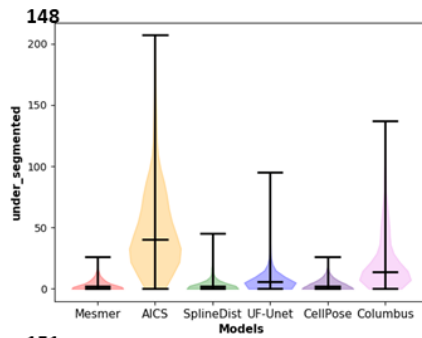
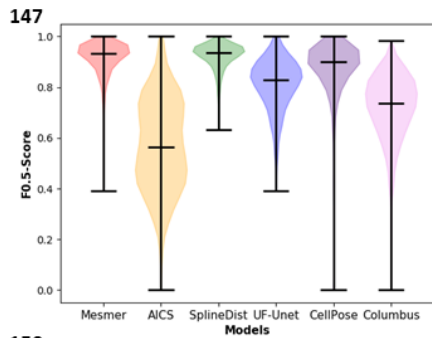


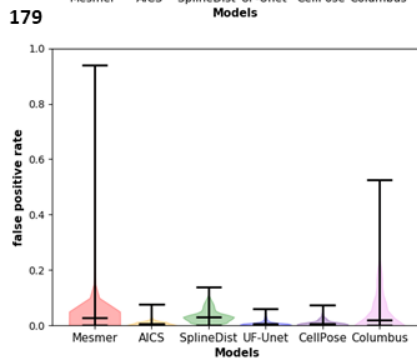
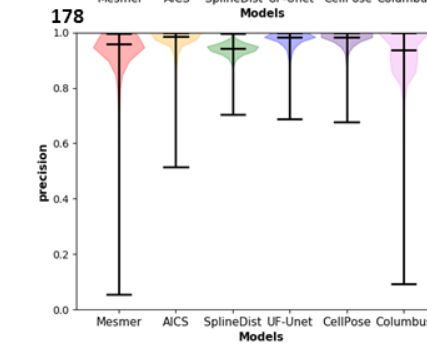
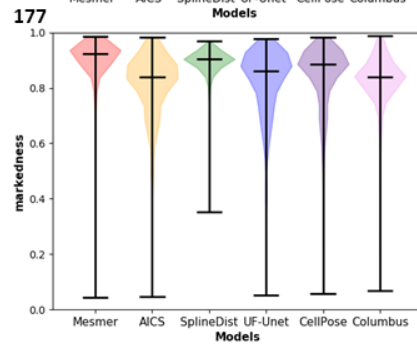
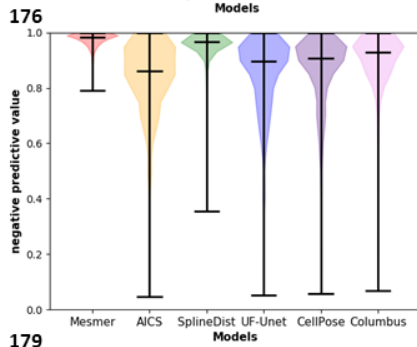
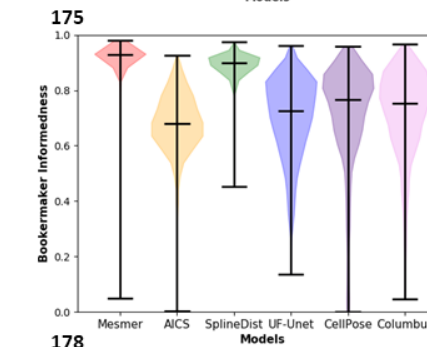
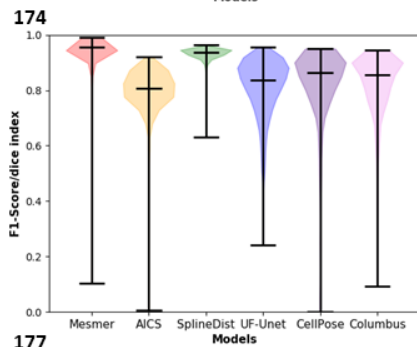
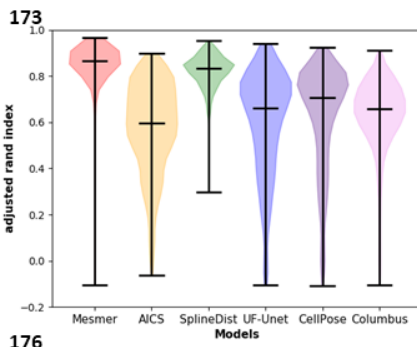
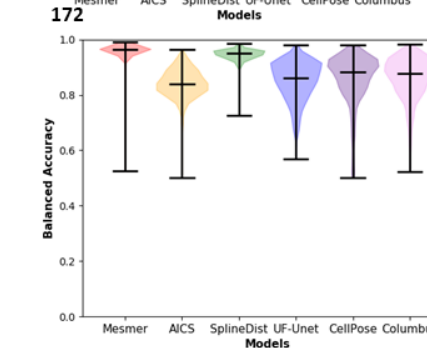
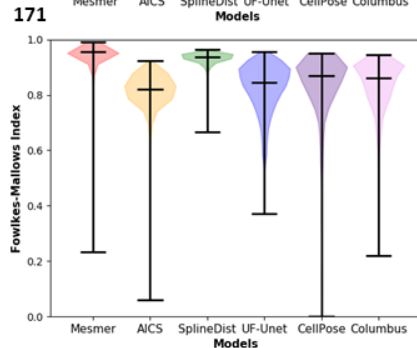
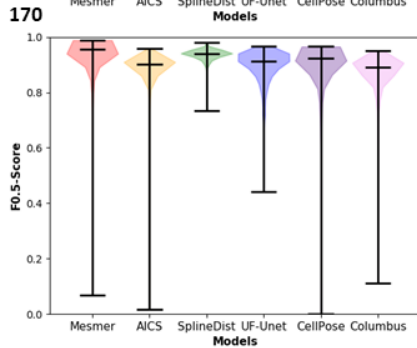
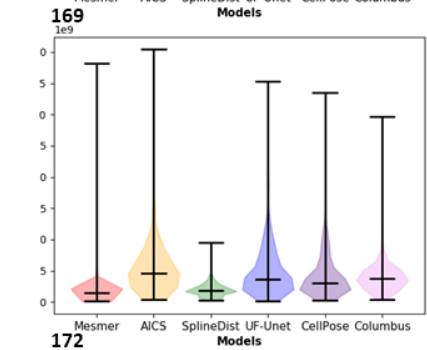
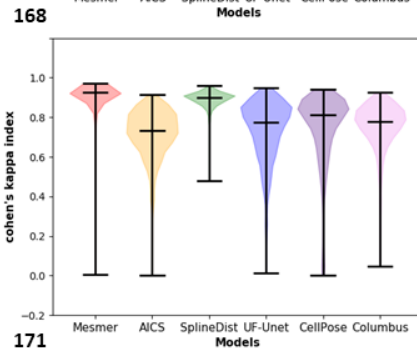
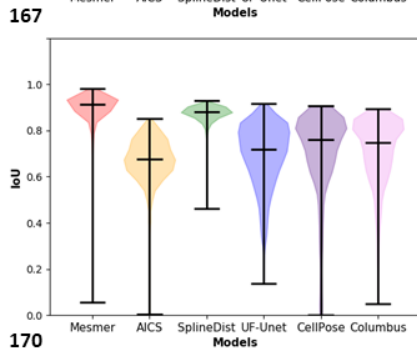
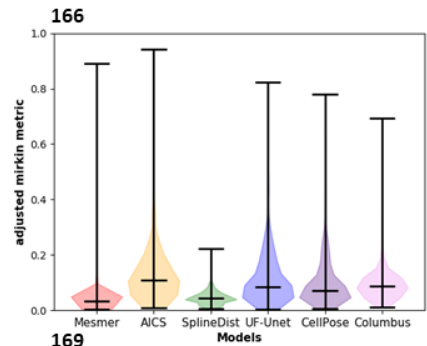
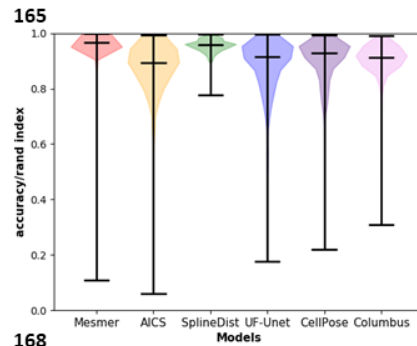
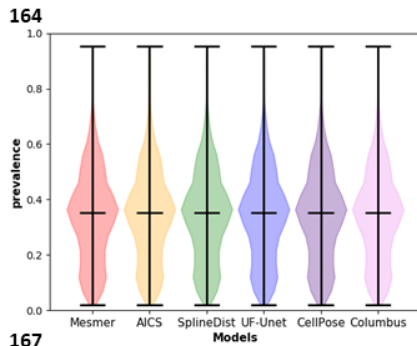


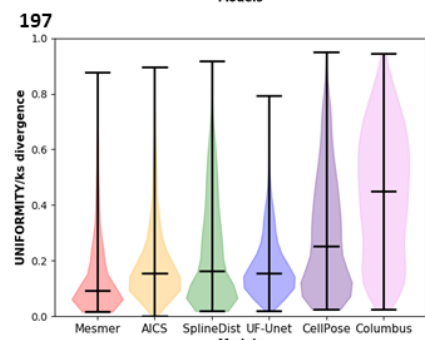
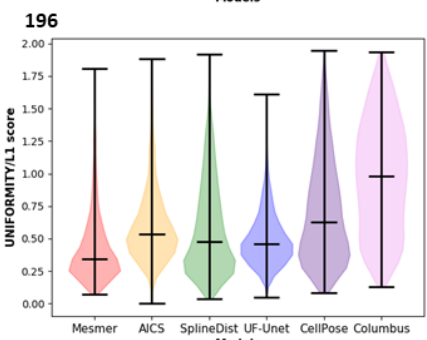
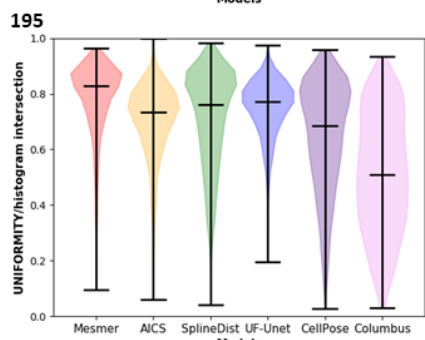
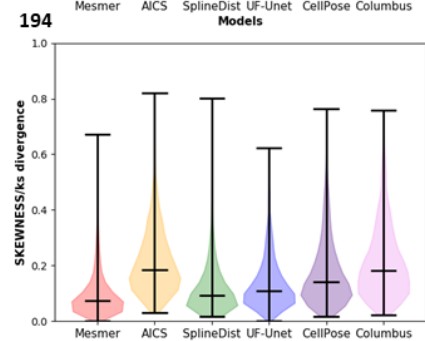
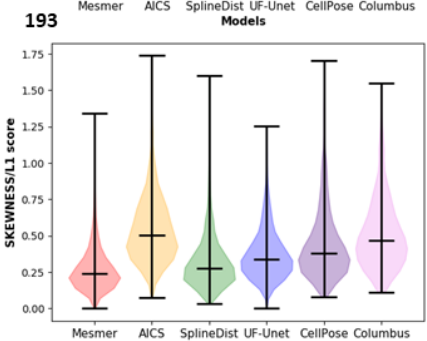
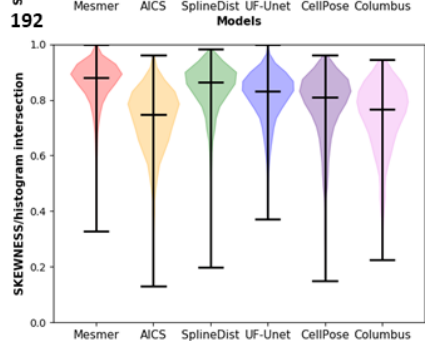
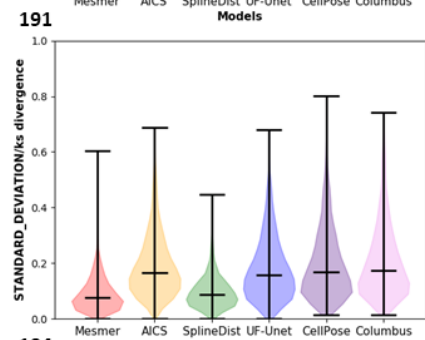
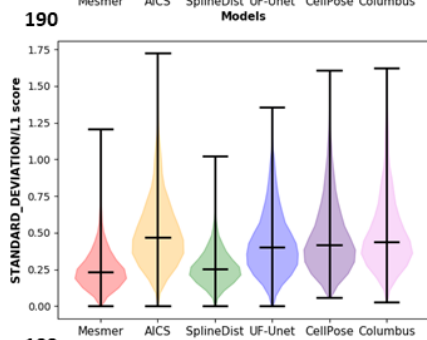
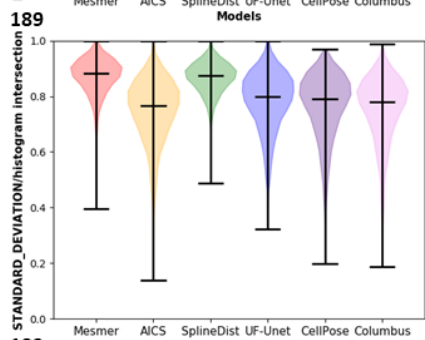
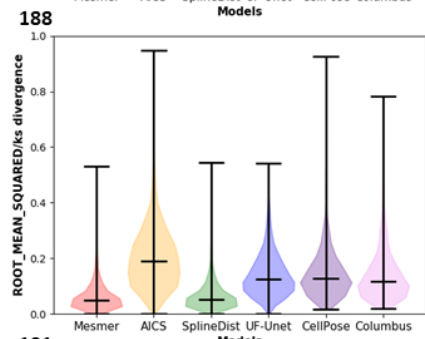
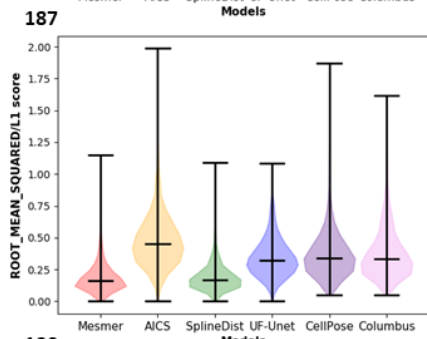
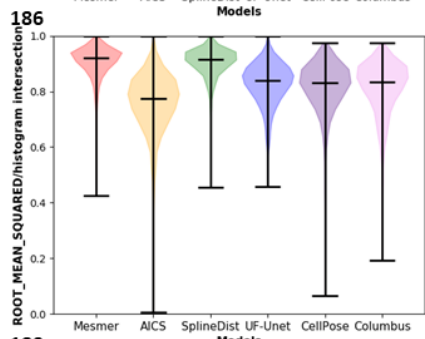
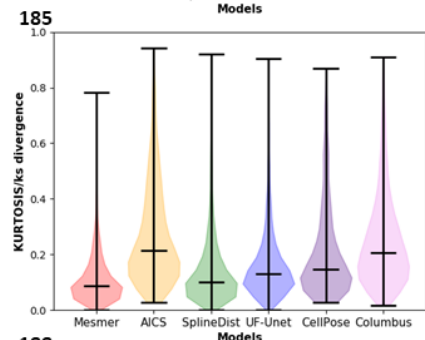
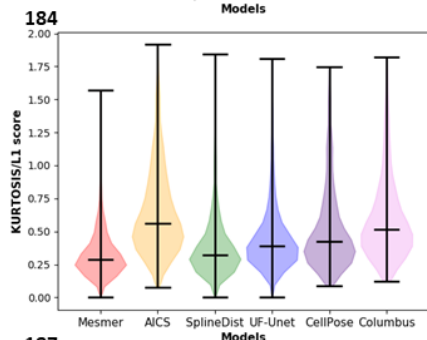
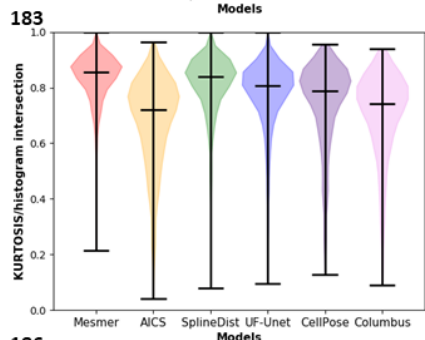
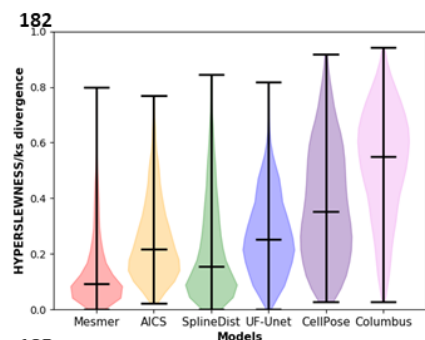
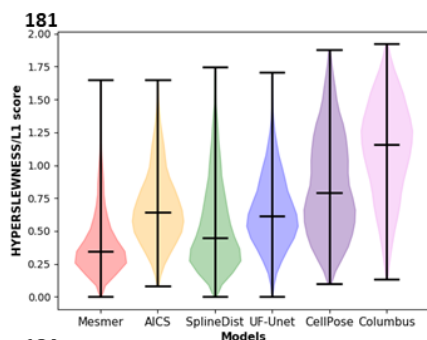
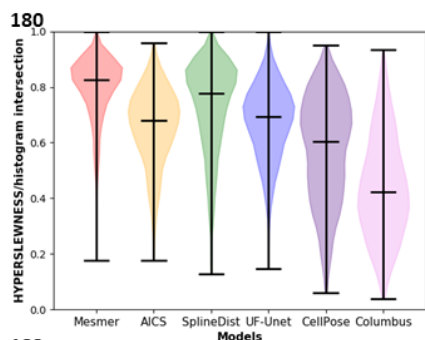


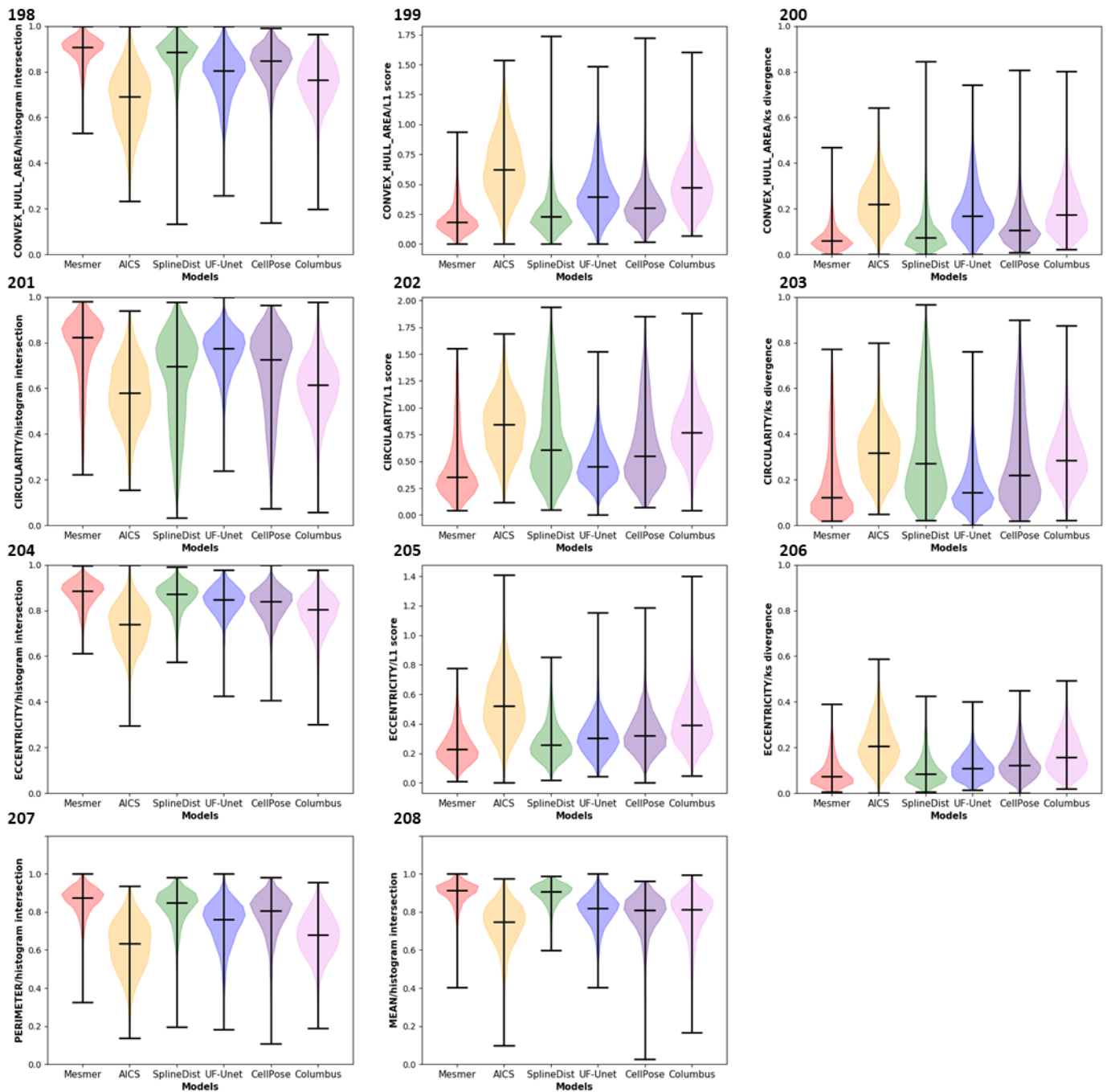
Trained Models for Nuclear Segmentation. Figures 144— 154 ROI Metrics. Figures 155— 179 Pixel Metrics. Figures 180— 208 Feature Metrics.



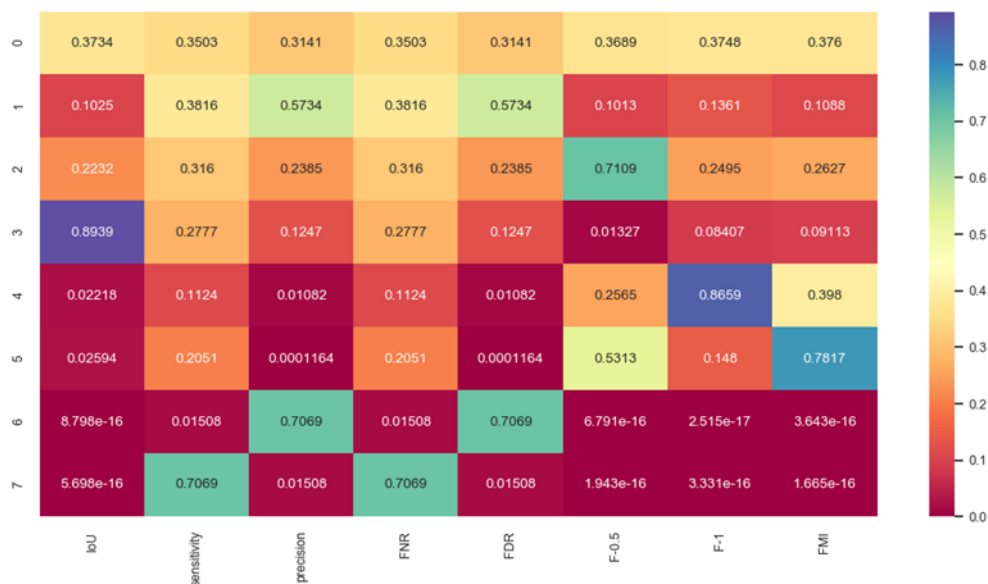




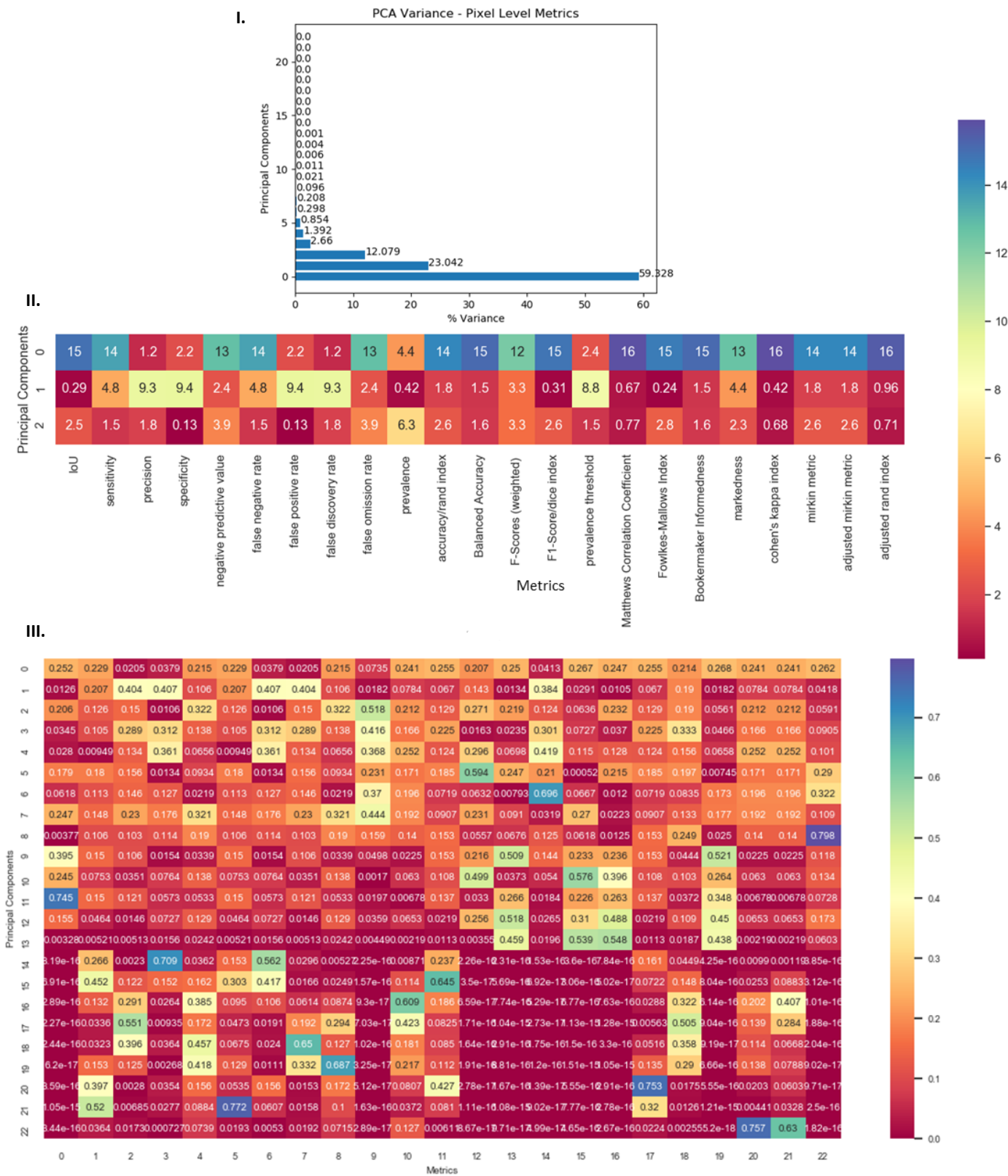




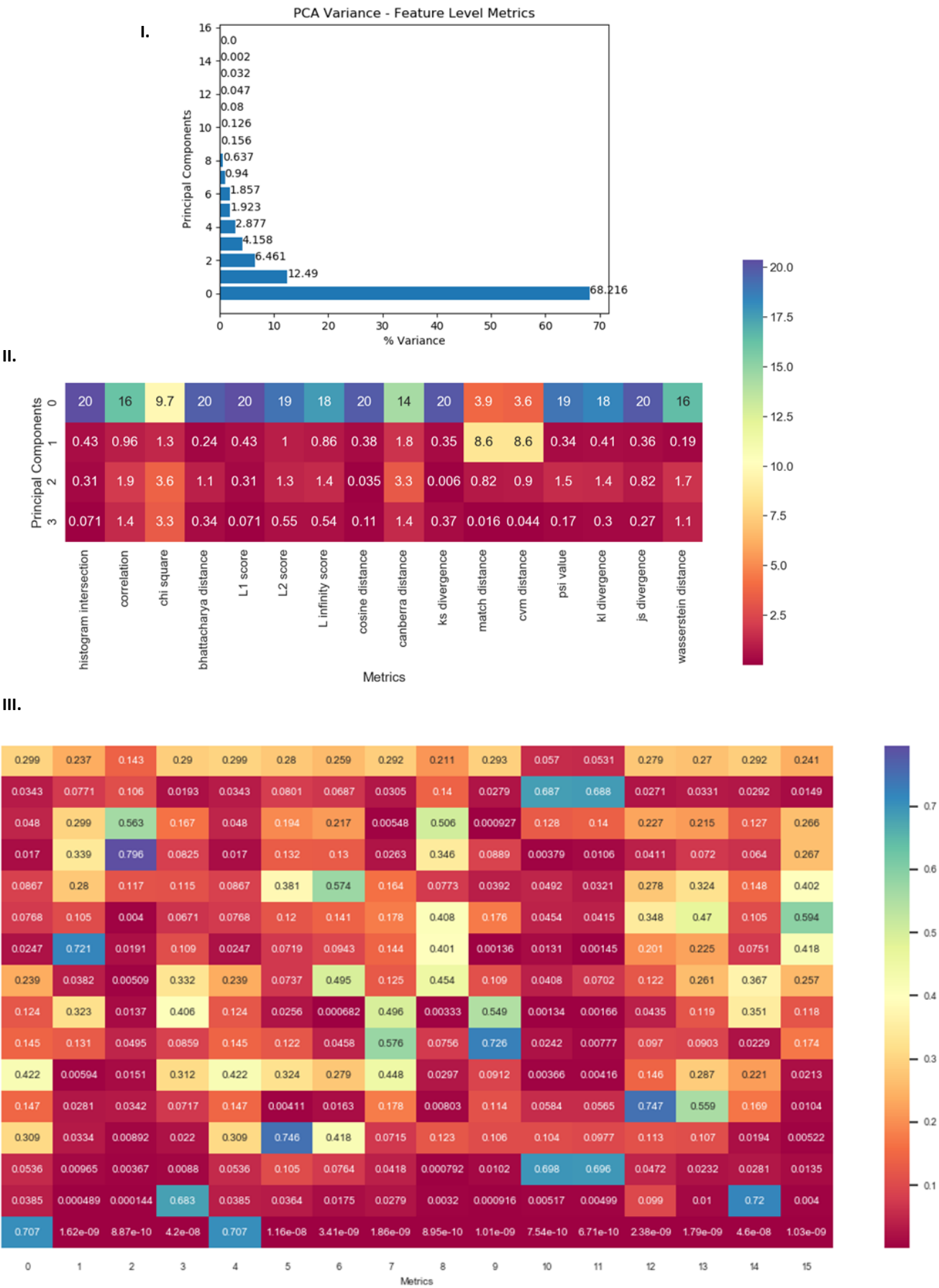
209. Eigenvectors (Absolute coefficient values from PCA) for ROI Level Metric Selection for Nuclear Segmentation using Pre-trained Models.



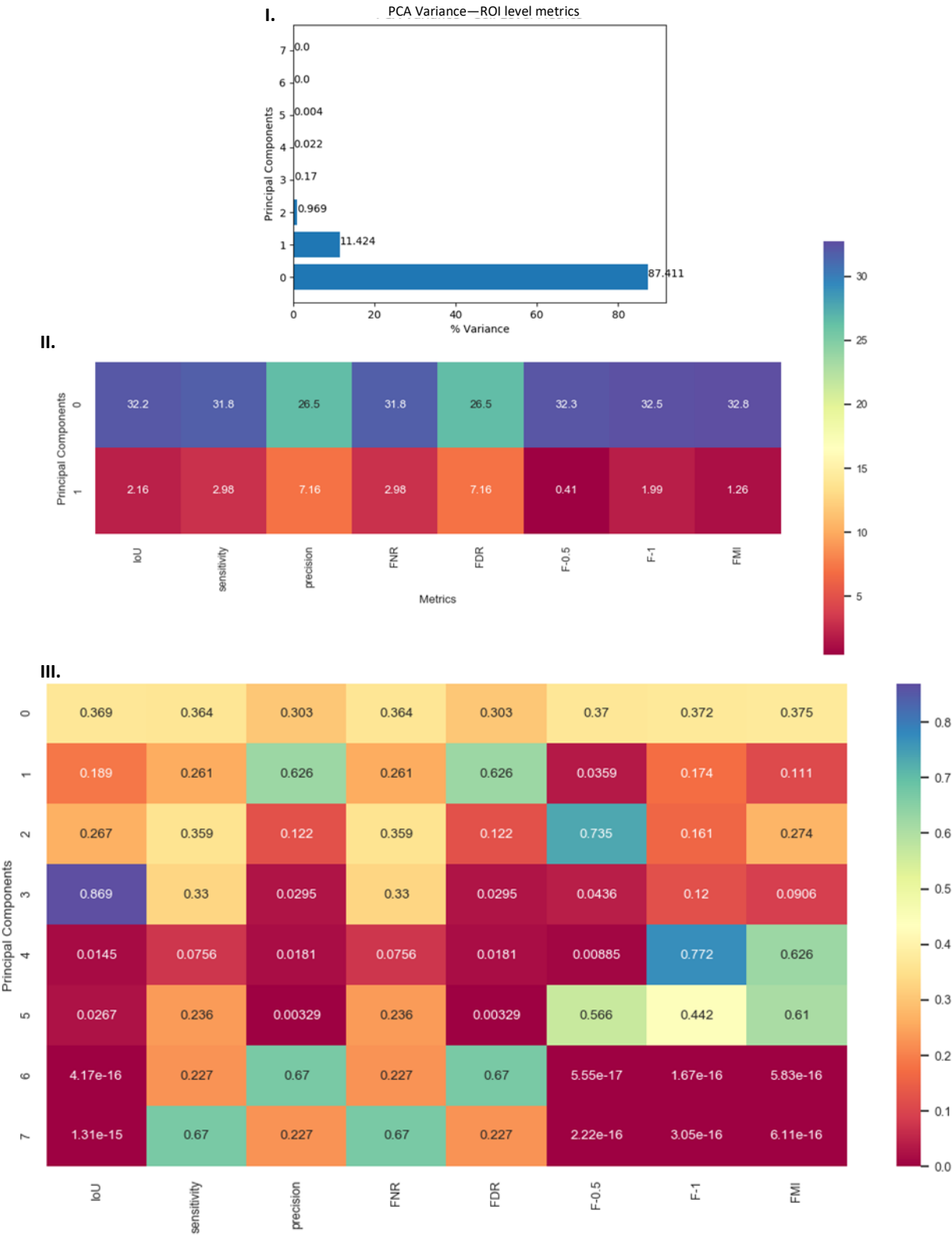
210. Pixel level Metric Selection for Nuclear Segmentation using Pre-trained Models I. Percentage Variance (Eigenvalue)
II. Eigenvalue multiplied by Eigenvector. III. Absolute Coefficient Values from PCA (Eigenvector).



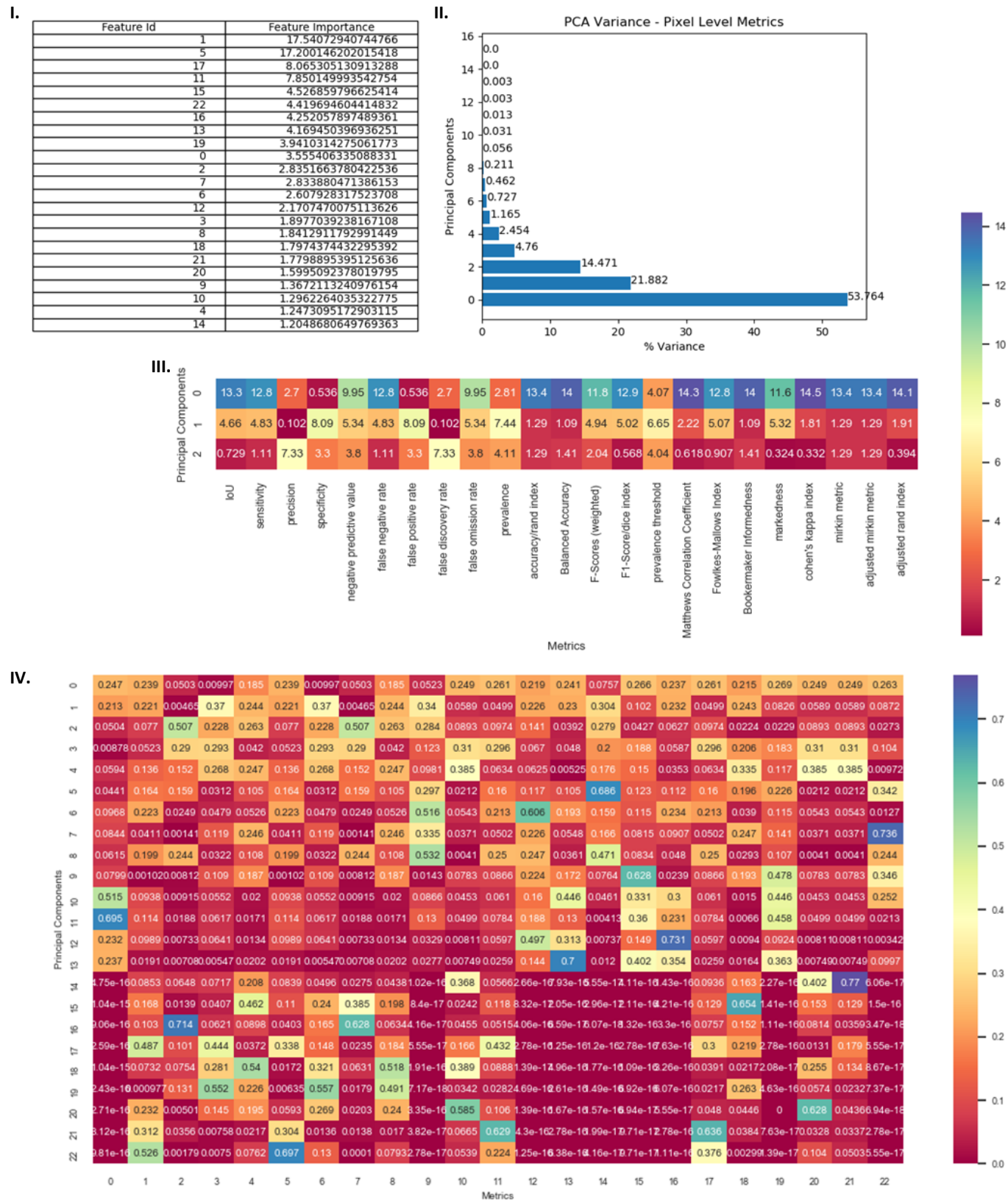
211. Feature level Metric Selection for Nuclear Segmentation using Pre-trained Models I. Percentage Variance (Eigenvalue)
II. Eigenvalue multiplied by Eigenvector. III. Absolute Coefficient Values from PCA (Eigenvector).



212. ROI level Metric Selection for Cytoplasm Segmentation using Pre-trained Models I. Percentage Variance (Eigenvalue)
II. Eigenvalue multiplied by Eigenvector. III. Absolute Coefficient Values from PCA (Eigenvector).



213. Pixel level Metric Selection for Cytoplasm Segmentation using Pre-trained Models I. Feature Importance from Catboost Classifier II. Percentage Variance (Eigenvalue) III. Eigenvalue multiplied by Eigenvector. IV. Absolute Coefficient Values from PCA (Eigenvector).



214. Feature level Metric Selection for Cytoplasm Segmentation using Pre-trained Models I. Percentage Variance (Eigenvalue)
II. Eigenvalue multiplied by Eigenvector. III. Absolute Coefficient Values from PCA (Eigenvector).

