

# **Liver Fibrosis Staging**

## **Model Evaluation Report**

Models: ViT-B-16 & ResNet50

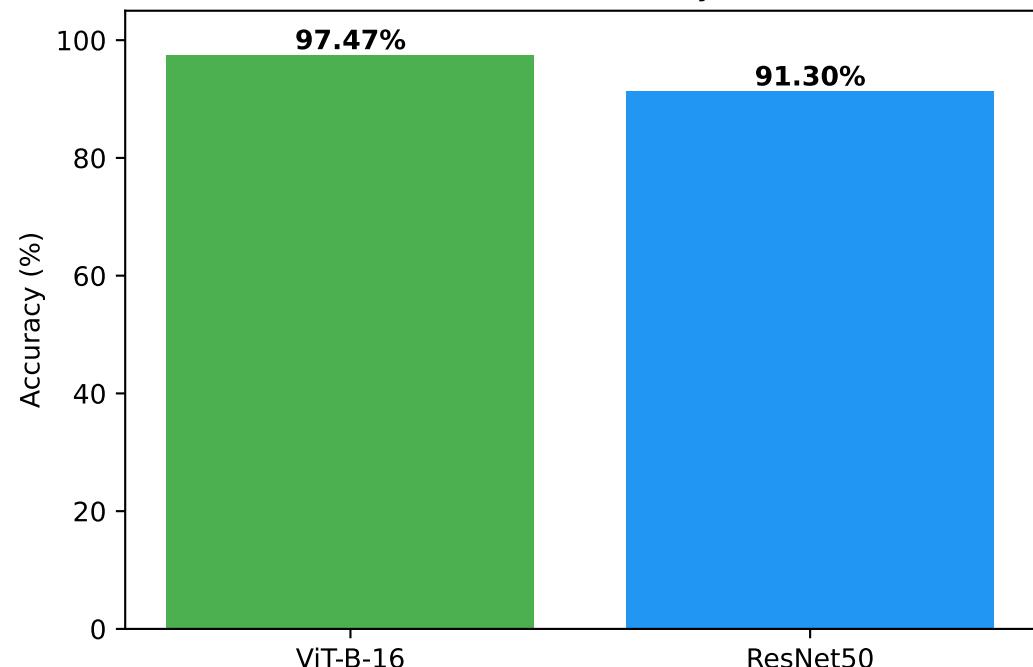
Generated: February 05, 2026

**ViT-B-16 Best Accuracy: 97.47%**

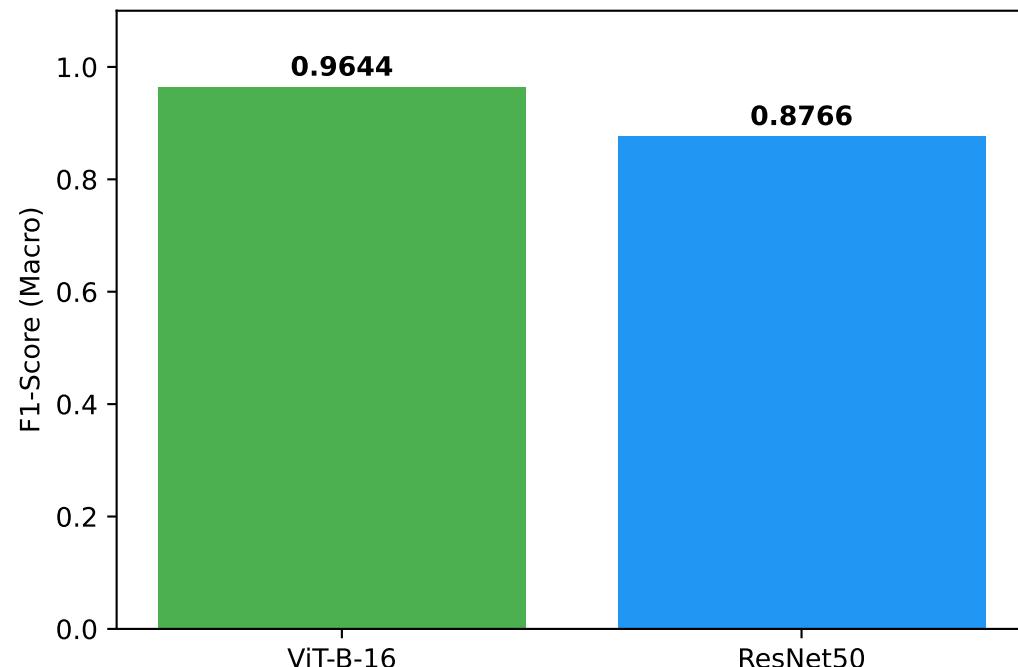
ResNet50 Accuracy: 91.30%

# Overall Metrics Comparison

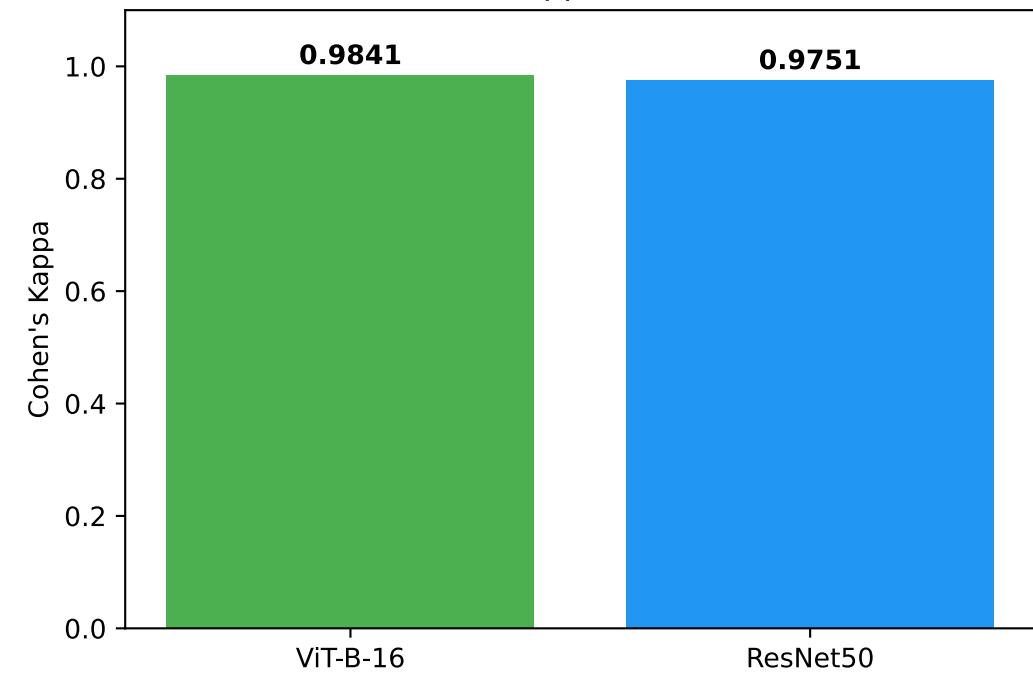
Overall Accuracy



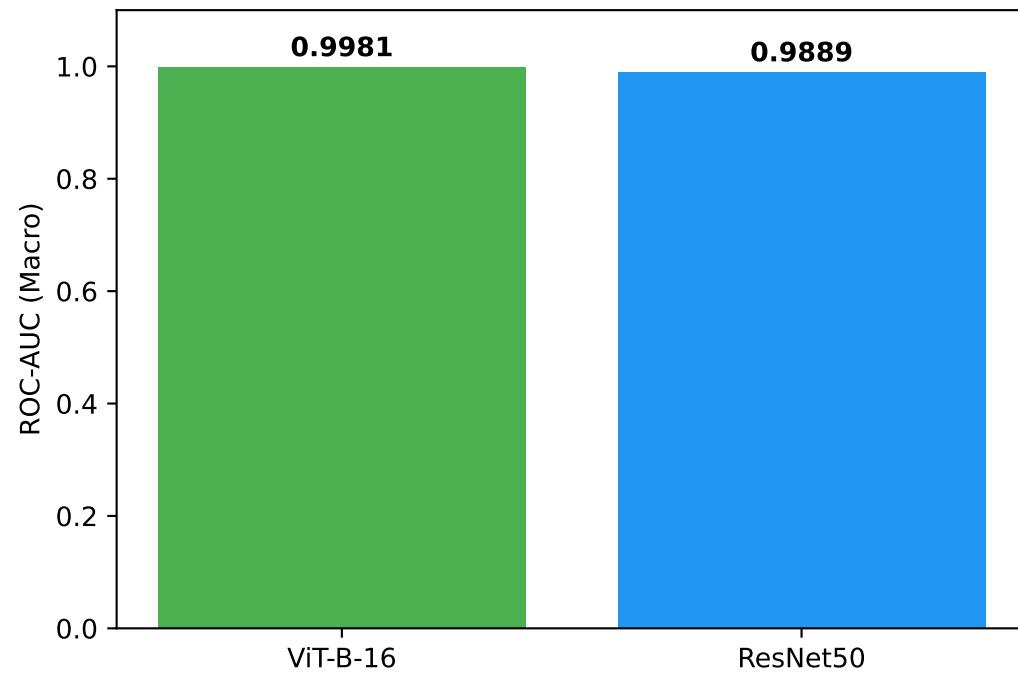
F1-Score (Macro)



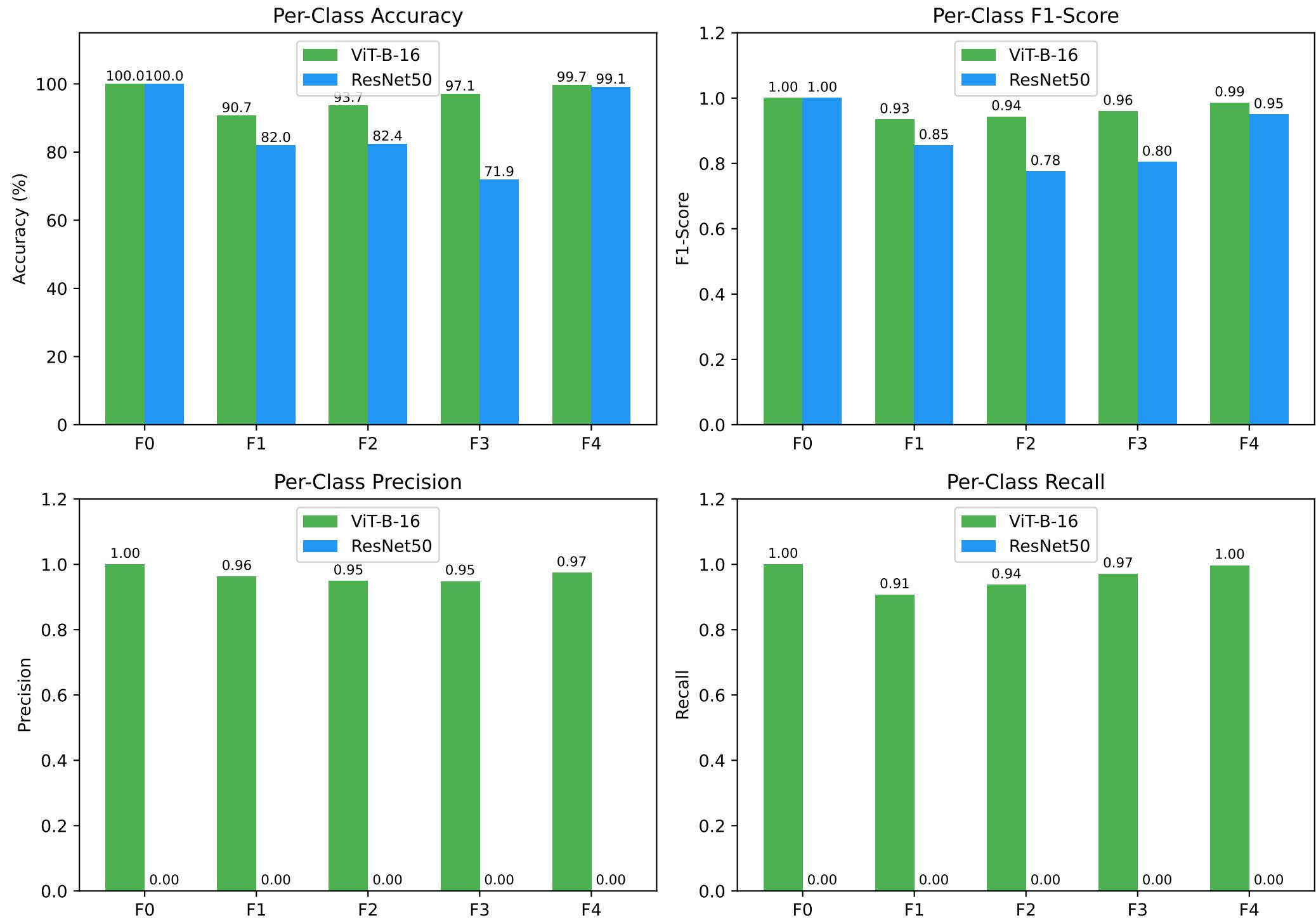
Cohen's Kappa (Quadratic)



ROC-AUC (Macro)



# Per-Class Performance (F0-F4)



# Detailed Metrics Summary

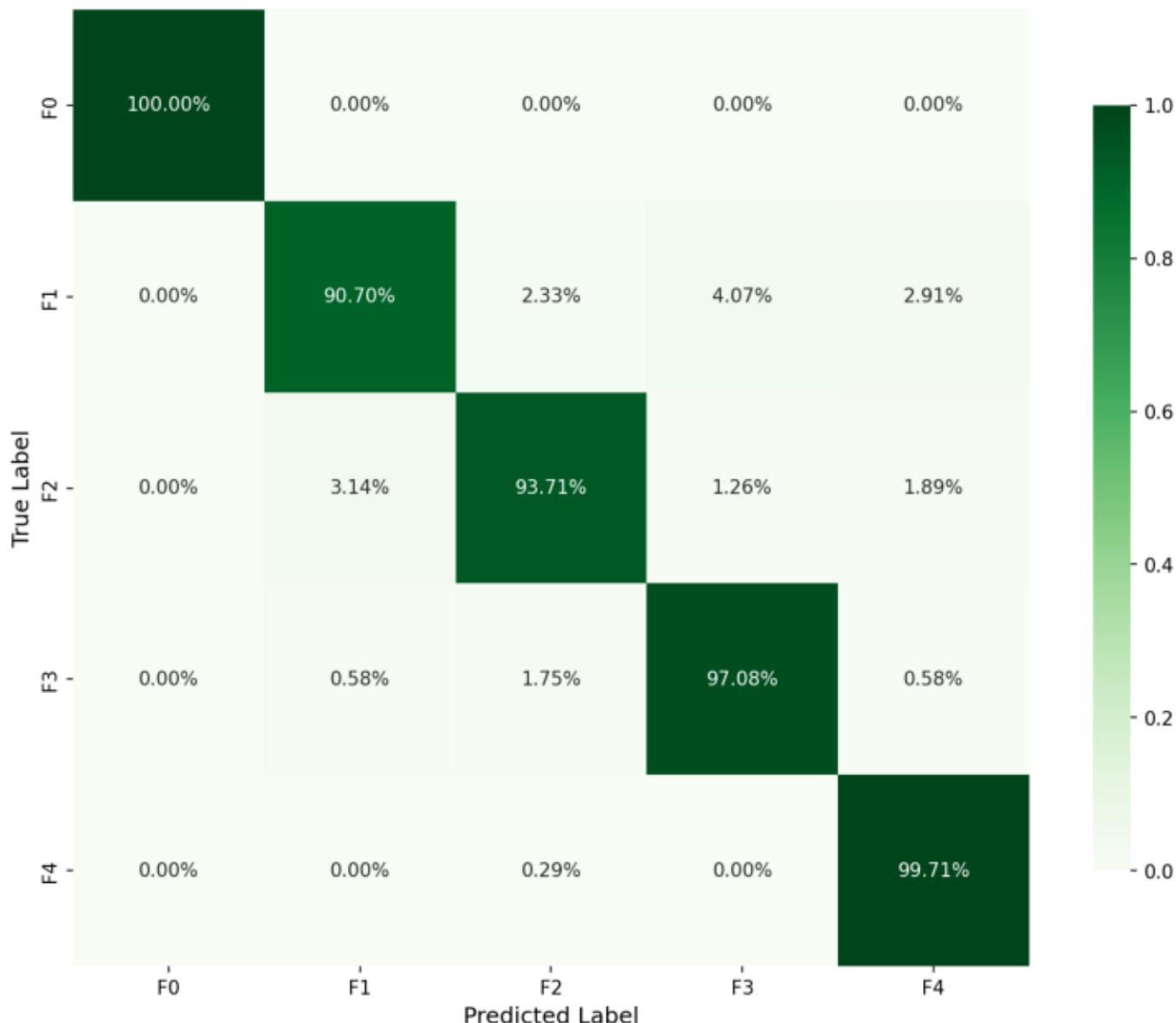
Metric	ViT-B-16	ResNet50
Accuracy	97.47%	91.30%
F1-Score (Macro)	0.9644	0.8766
F1-Score (Weighted)	0.9745	0.9118
Precision (Macro)	0.9669	0.8892
Recall (Macro)	0.9624	0.8708
Cohen's Kappa	0.9841	0.9751
ROC-AUC	0.9981	0.9889

## Per-Class Accuracy

Metric	ViT-B-16	ResNet50
F0	100.00%	100.00%
F1	90.70%	81.98%
F2	93.71%	82.39%
F3	97.08%	71.93%
F4	99.71%	99.12%

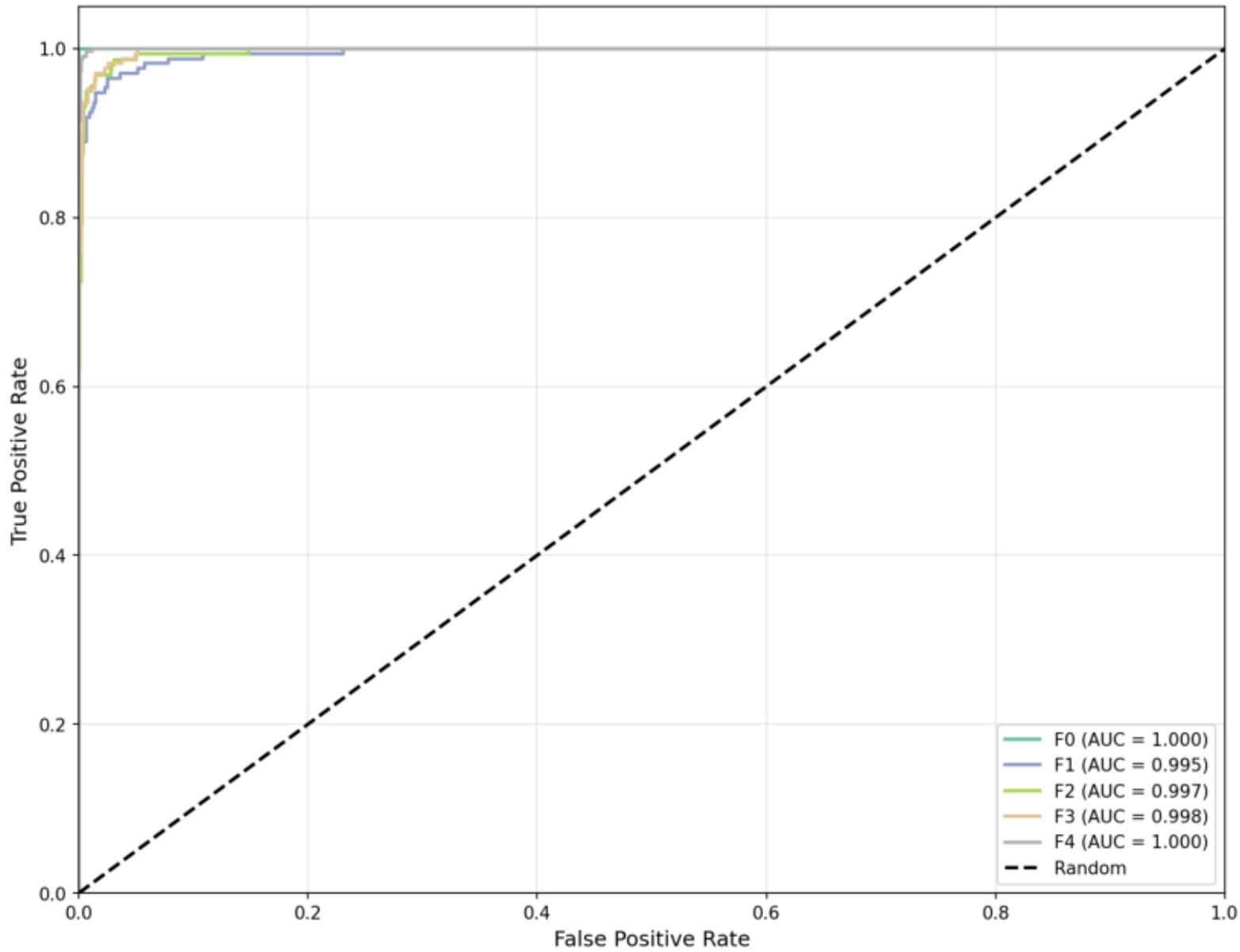
# ViT-B-16 Confusion Matrix

## ViT-B-16 Confusion Matrix



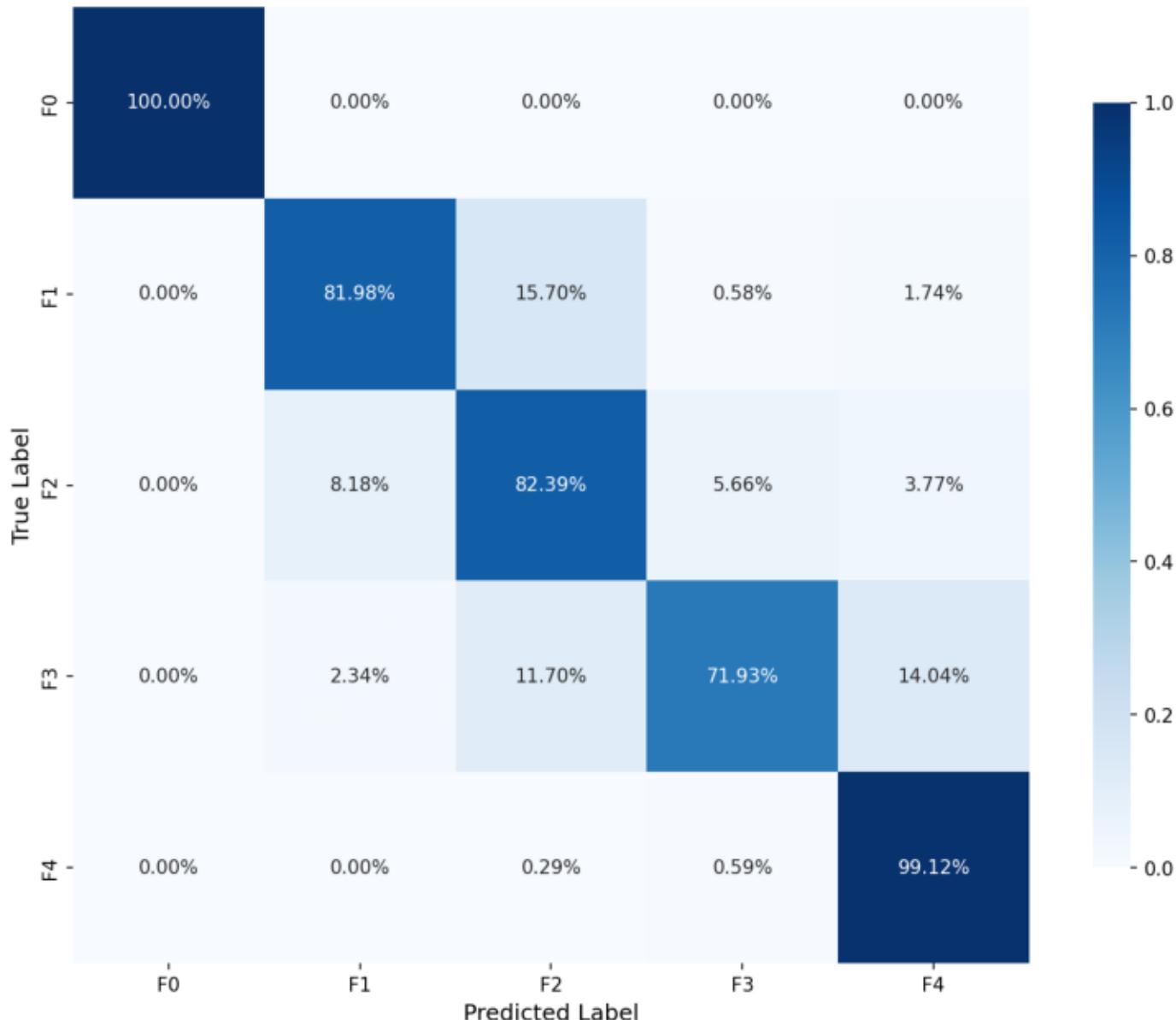
# ViT-B-16 ROC Curves

## ViT-B-16 ROC Curves



# ResNet50 Confusion Matrix

## ResNet50 Confusion Matrix



# ResNet50 ROC Curves

ResNet50 ROC Curves

