

Training Report:

UNetFastKAN

f4c2340a-94be-4547-b5b3-ad2f19a9c633

Best Epoch Performance Metrics

```
Summary of Metrics:  
- Samples: 1678  
- Loss: 1.489  
- Accuracy: 78.543%  
- Precision (PPV): 81.288%  
- Recall (Sensitivity): 78.543%  
- Specificity (TNR): 99.288%  
- F1-Score: 78.315%  
- ROC AUC: 93.944%  
- PR AUC: 73.341%  
- Performance: 81.376%  
- Weighted: True
```

Model Configuration

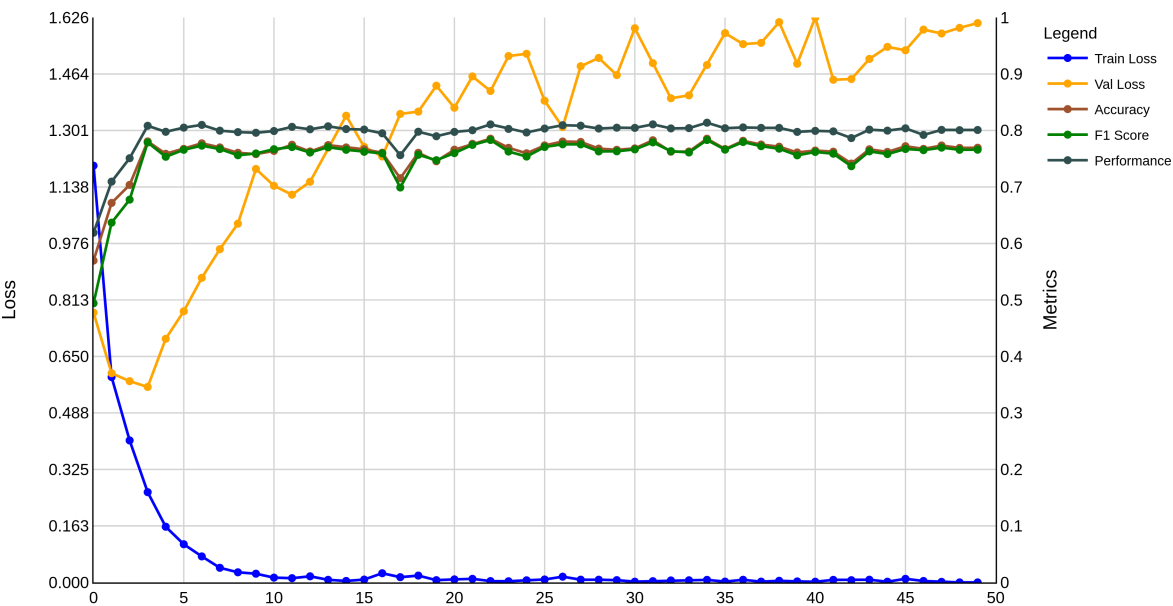
```
- in_channels: 1024  
- in_seq_len: 1023  
- out_channels: 10  
- reduced_seq_len: 10  
- reduced_channels: 960  
- hidden_layers: HiddenLayers(kind=Type.RELATIVE, value=(0.16, 2))  
- kernel_size: 3  
- grid_diff: 1.0  
- num_grids: 8
```

Memory Size:

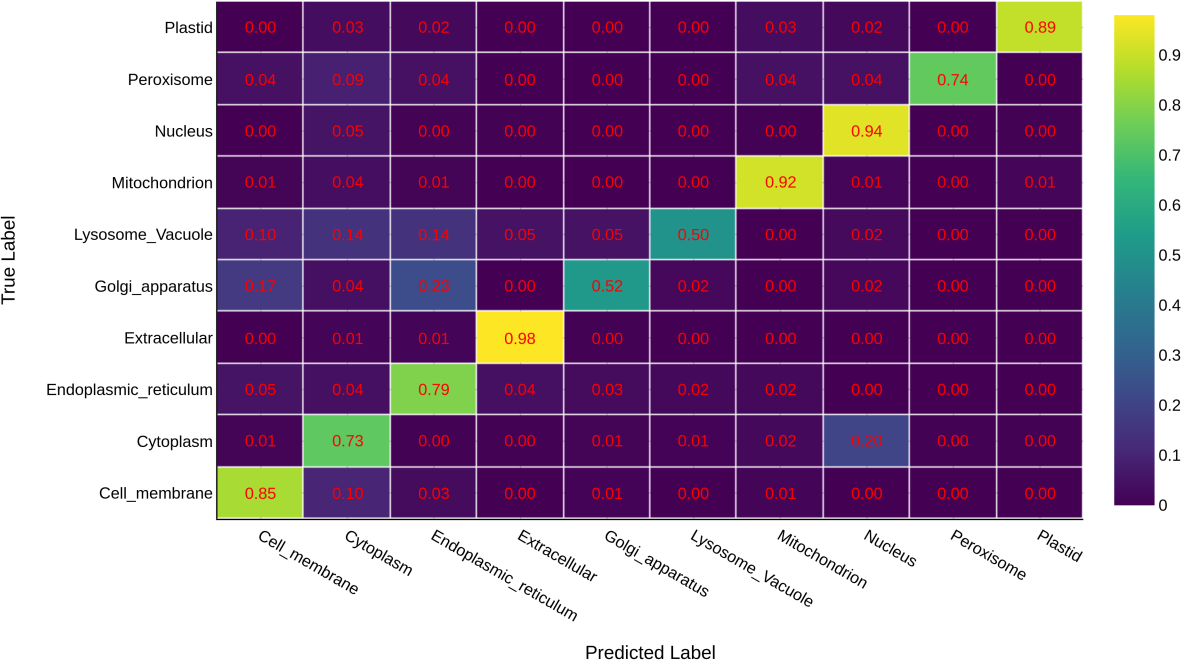
490.474 MB

Figures & Visualizations

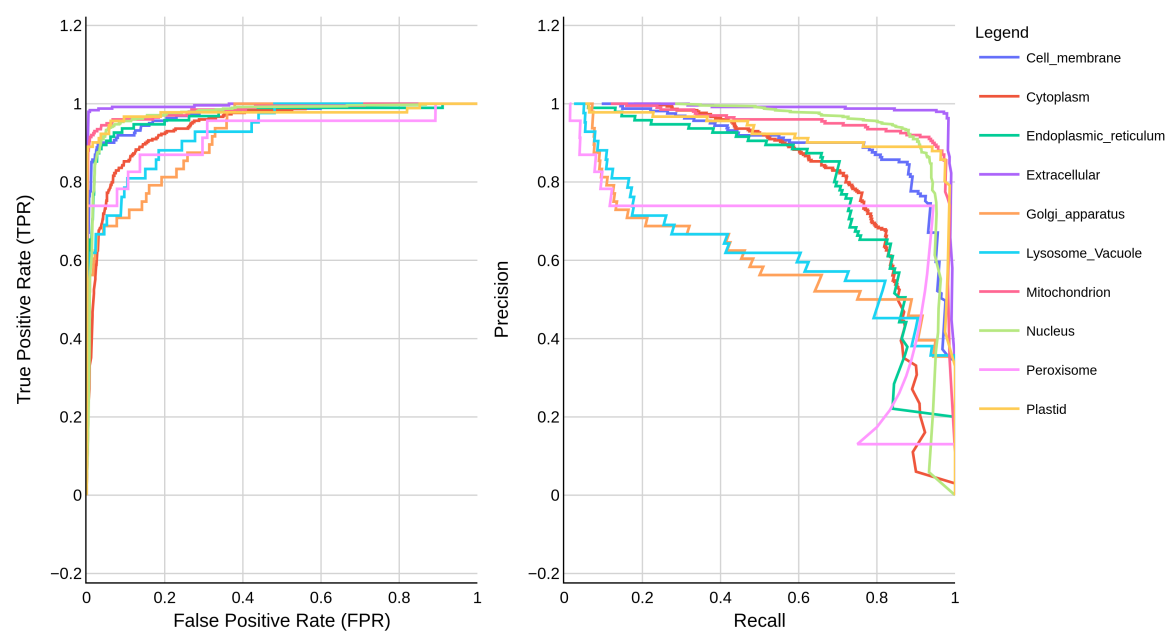
TrainingLoss & TrainingPerformance (epoch: 49) | UNetFastKAN



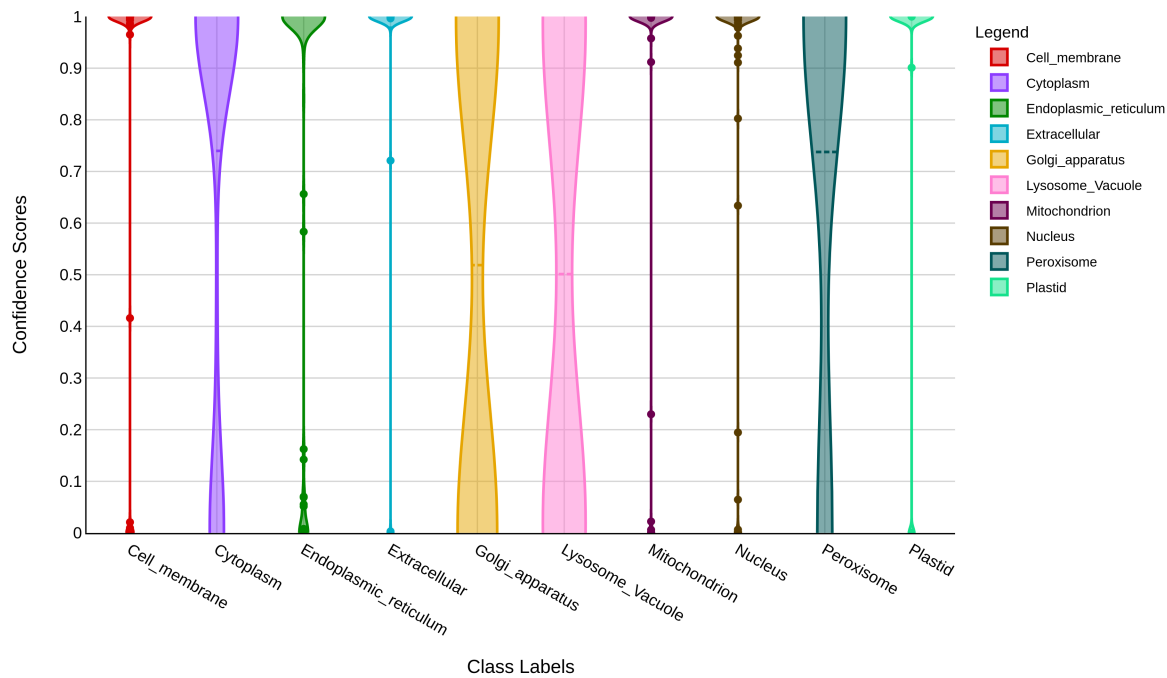
Confusion Matrix (UNetFastKAN)



MultiFigure: ROCCurve | PRCurve



Prediction Confidence Distribution (UNetFastKAN)



Final Evaluation Report: UNetFastKAN (f4c2340a-94be-4547-b5b3-ad2f19a9c633)

Test Set Performance

Summary of Metrics:

- Samples: 490
- Loss: 4.364
- Accuracy: 63.673%
- Precision (PPV): 63.532%
- Recall (Sensitivity): 58.287%
- Specificity (TNR): 95.486%
- F1-Score: 58.091%
- ROC AUC: 87.996%
- PR AUC: 58.069%
- Performance: 66.284%
- Weighted: False

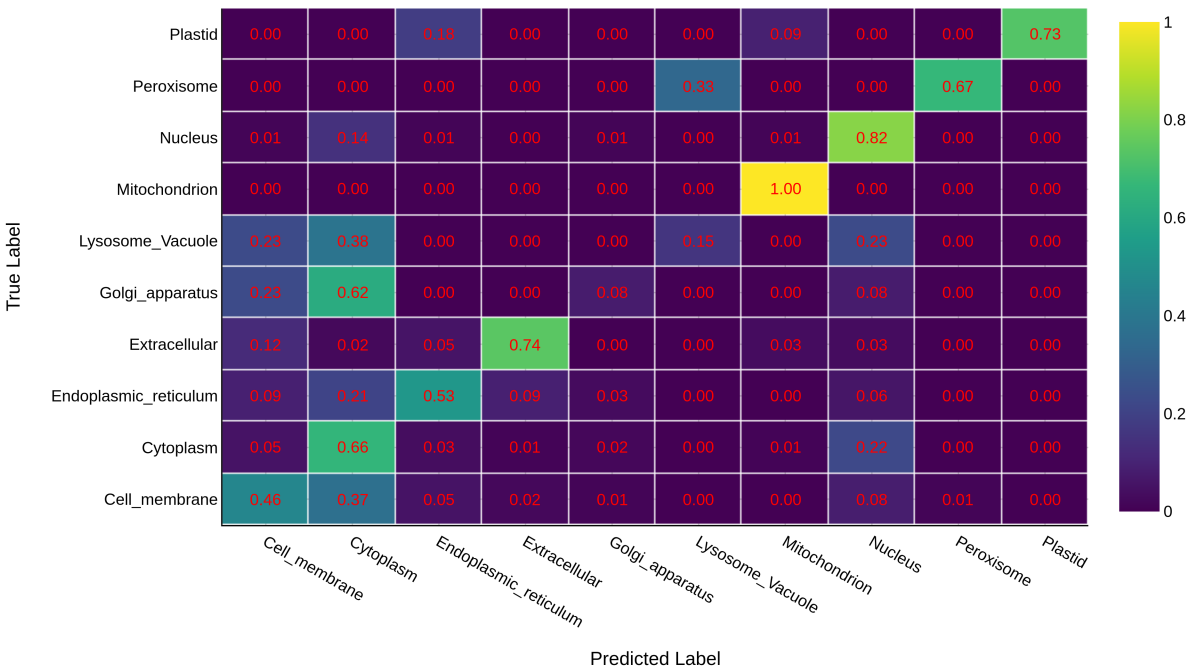
Test Set Performance (Sampled Statistics)

MetricsSampled Summary:

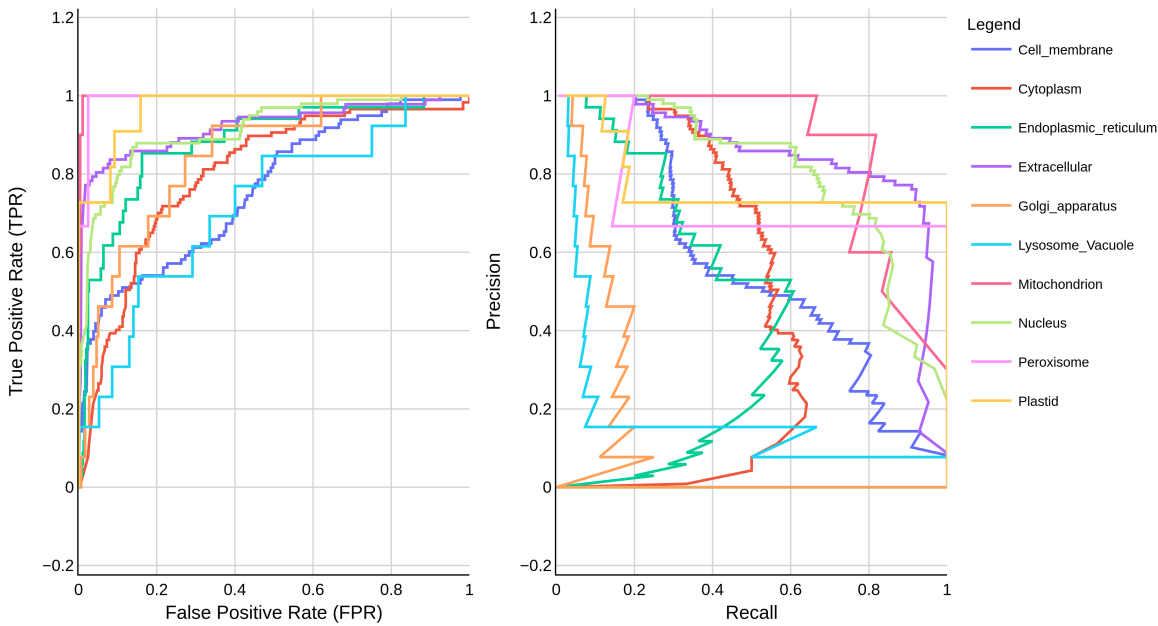
mean metric 95% confidence interval
Accuracy: 63.66 [63.54 - 63.78]
Sensitivity: 57.82 [57.61 - 58.03]
Specificity: 95.49 [95.47 - 95.50]
F1-Score: 56.86 [56.65 - 57.08]

Figures & Visualizations

Confusion Matrix (UNetFastKAN)



MultiFigure: ROCCurve | PRCurve



Prediction Confidence Distribution (UNetFastKAN)

