

Training Report:

UNetFastKAN

99676e2b-bc68-4f88-871a-8ab8d435fd07

Best Epoch Performance Metrics

```
Summary of Metrics:  
- Samples: 1678  
- Loss: 1.634  
- Accuracy: 78.114%  
- Precision (PPV): 80.462%  
- Recall (Sensitivity): 78.114%  
- Specificity (TNR): 99.116%  
- F1-Score: 78.056%  
- ROC AUC: 94.858%  
- PR AUC: 74.700%  
- Performance: 81.409%  
- 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=(0.14, 1))  
- kernel_size: 3  
- grid_diff: 1.5  
- num_grids: 10
```

Memory Size:

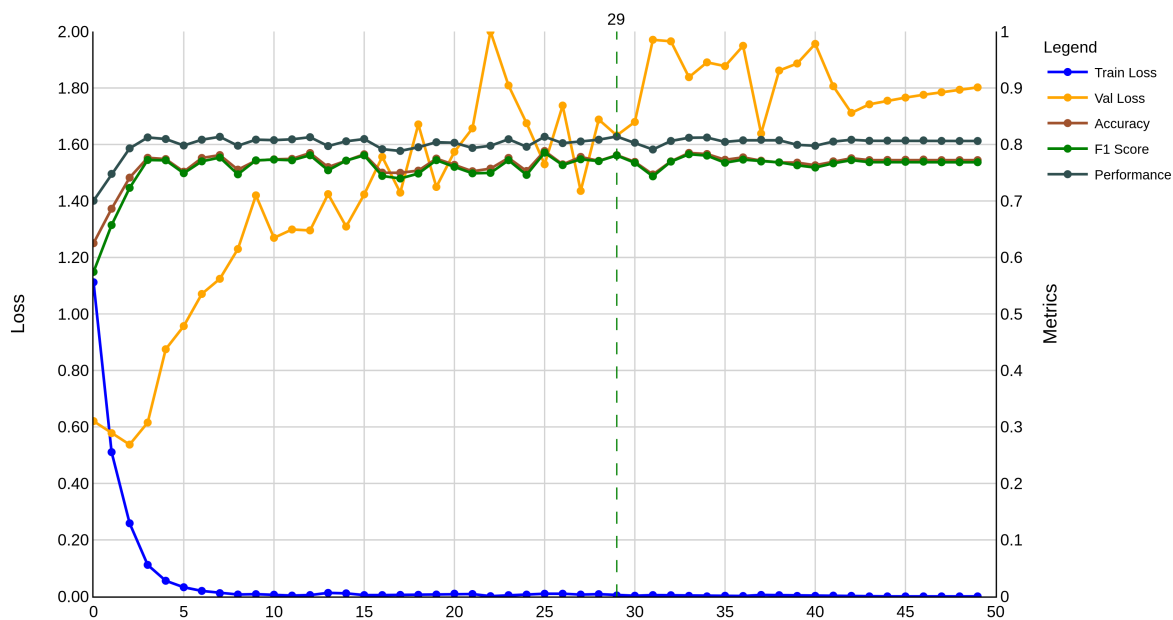
431.497 MB

Best Epoch

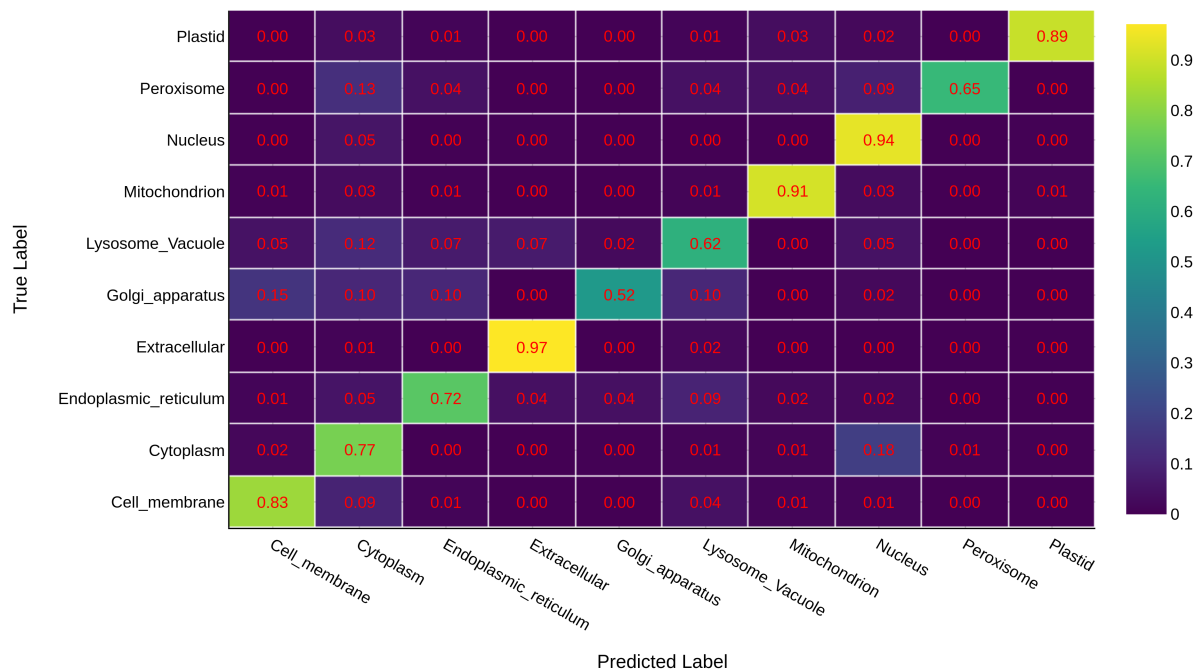
29

Figures & Visualizations

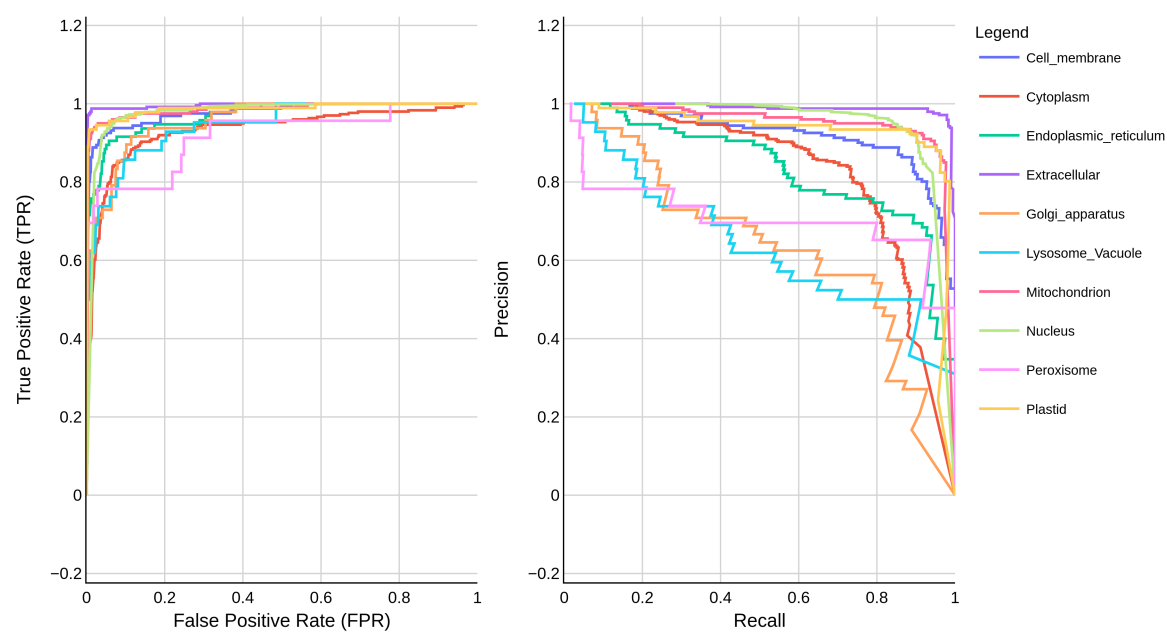
TrainingLoss & TrainingPerformance (epoch: 49) | UNetFastKAN



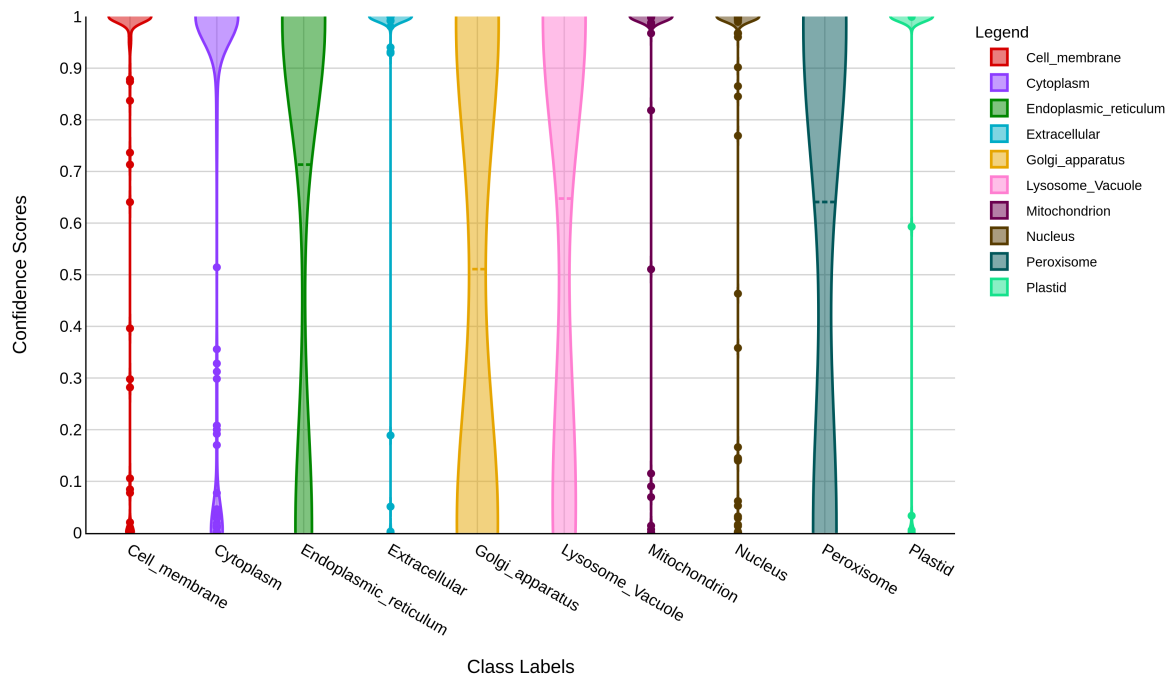
Confusion Matrix (UNetFastKAN)



MultiFigure: ROCCurve | PRCurve



Prediction Confidence Distribution (UNetFastKAN)



Final Evaluation Report: UNetFastKAN

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Test Set Performance

Summary of Metrics:

- Samples: 490
- Loss: 5.232
- Accuracy: 61.429%
- Precision (PPV): 59.064%
- Recall (Sensitivity): 57.776%
- Specificity (TNR): 95.260%
- F1-Score: 56.862%
- ROC AUC: 87.412%
- PR AUC: 56.733%
- Performance: 64.717%
- Weighted: False

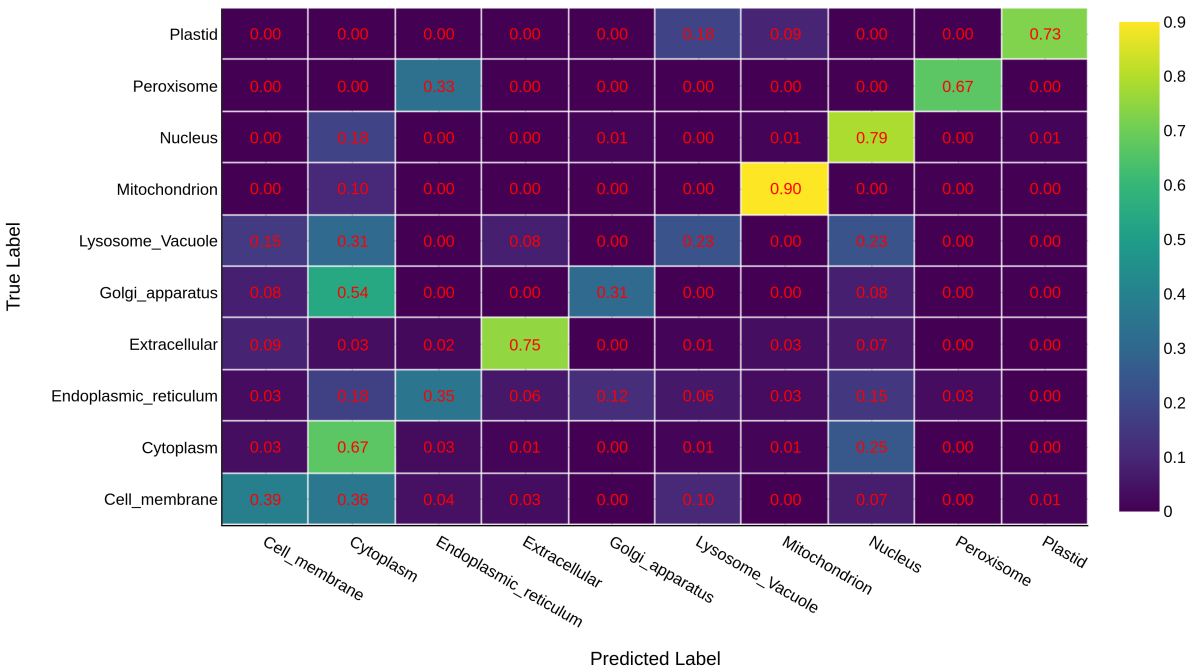
Test Set Performance (Sampled Statistics)

MetricsSampled Summary:

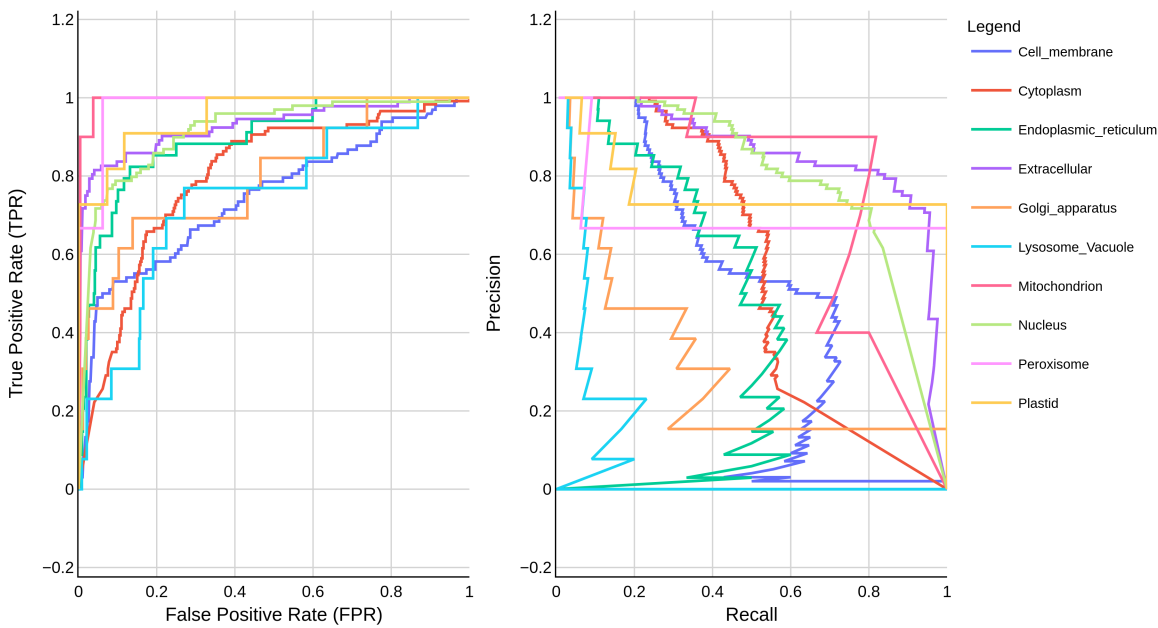
	mean	metric	95% confidence interval
Accuracy:	61.40	[61.29 - 61.51]	
Sensitivity:	57.29	[57.06 - 57.51]	
Specificity:	95.25	[95.24 - 95.27]	
F1-Score:	55.70	[55.47 - 55.92]	

Figures & Visualizations

Confusion Matrix (UNetFastKAN)



MultiFigure: ROCCurve | PRCurve



Prediction Confidence Distribution (UNetFastKAN)

