

Training Report:

PositionalFastKAN

b97b8ac3-aa07-4765-88c7-49252ededa74

Best Epoch Performance Metrics

```
Summary of Metrics:  
- Samples: 1678  
- Loss: 1.251  
- Accuracy: 76.234%  
- Precision (PPV): 80.189%  
- Recall (Sensitivity): 76.234%  
- Specificity (TNR): 99.313%  
- F1-Score: 76.004%  
- ROC AUC: 94.249%  
- PR AUC: 74.037%  
- Performance: 80.268%  
- Weighted: True
```

Model Configuration

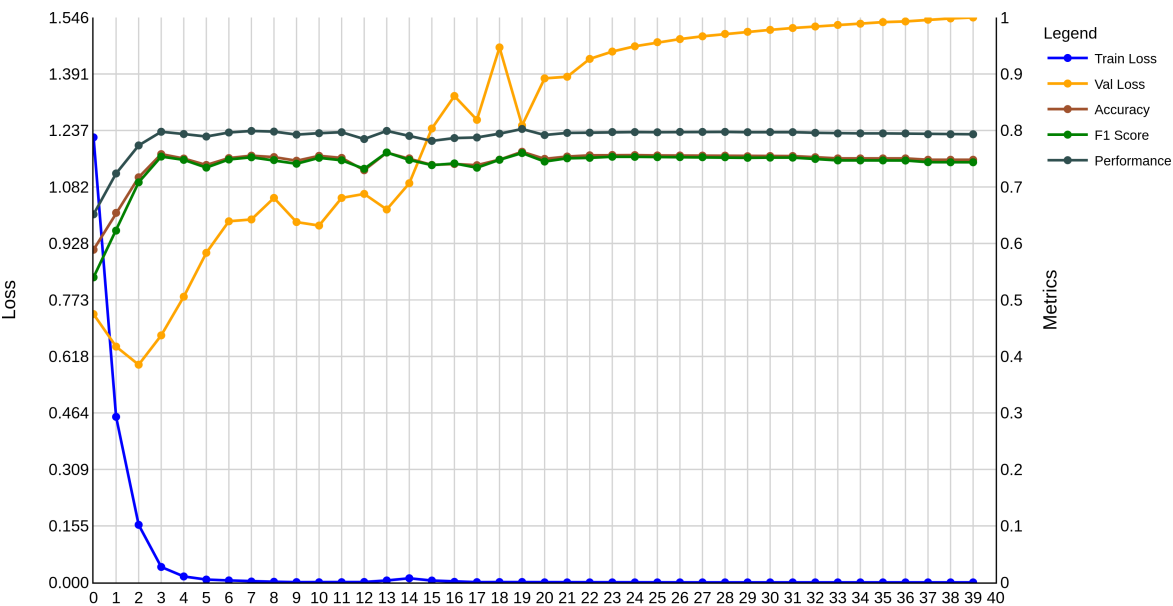
```
- in_channels: 1024  
- in_seq_len: 1023  
- out_channels: 10  
- reduced_seq_len: 10  
- reduced_channels: 512  
- hidden_layers: HiddenLayers(kind=Type.RELATIVE, value=(0.14, 1))  
- kernel_size: 3  
- weights_scalar: 3  
- grid_diff: 1.0  
- num_grids: 8
```

Memory Size:

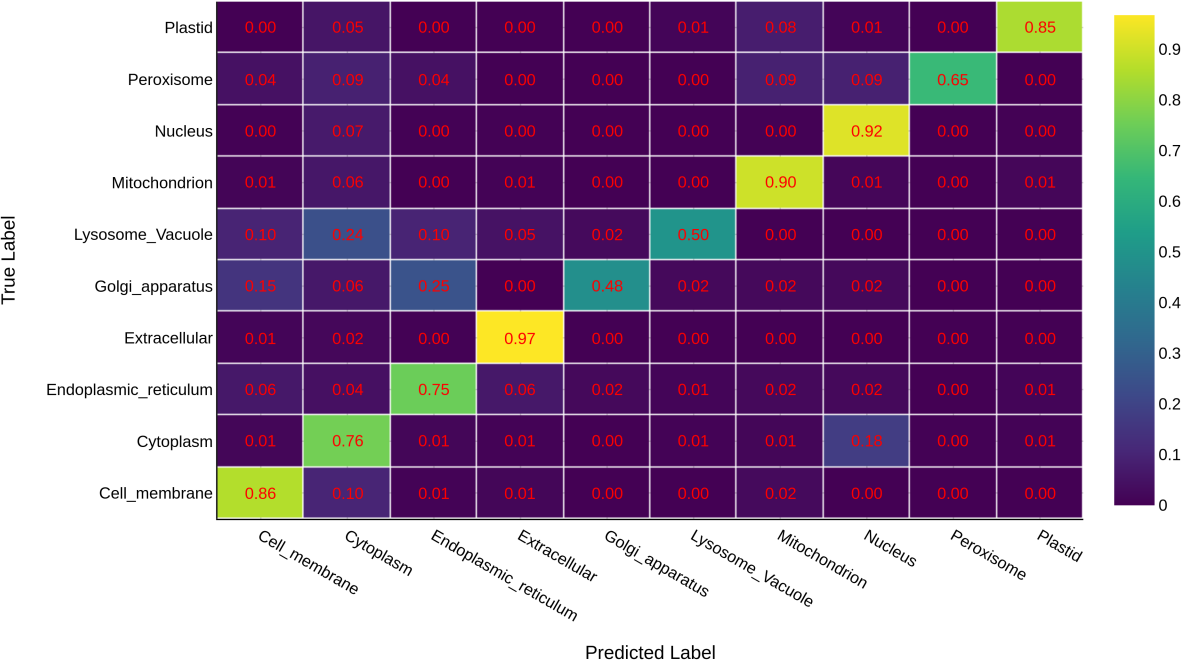
```
104.128 MB
```

Figures & Visualizations

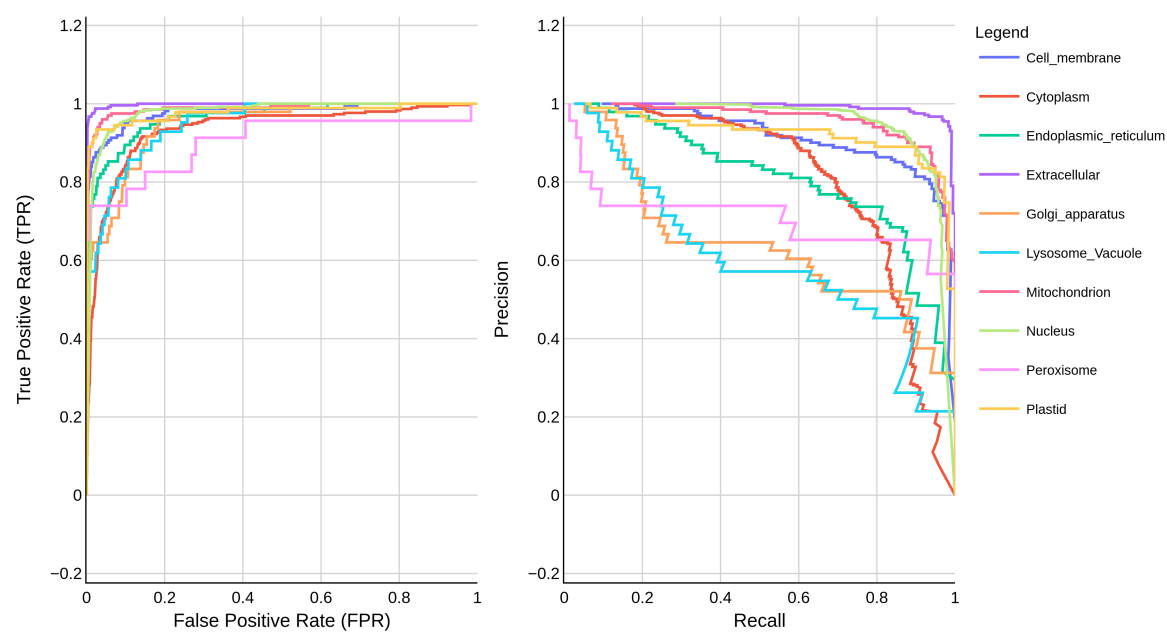
TrainingLoss & TrainingPerformance (epoch: 39) | PositionalFastKAN



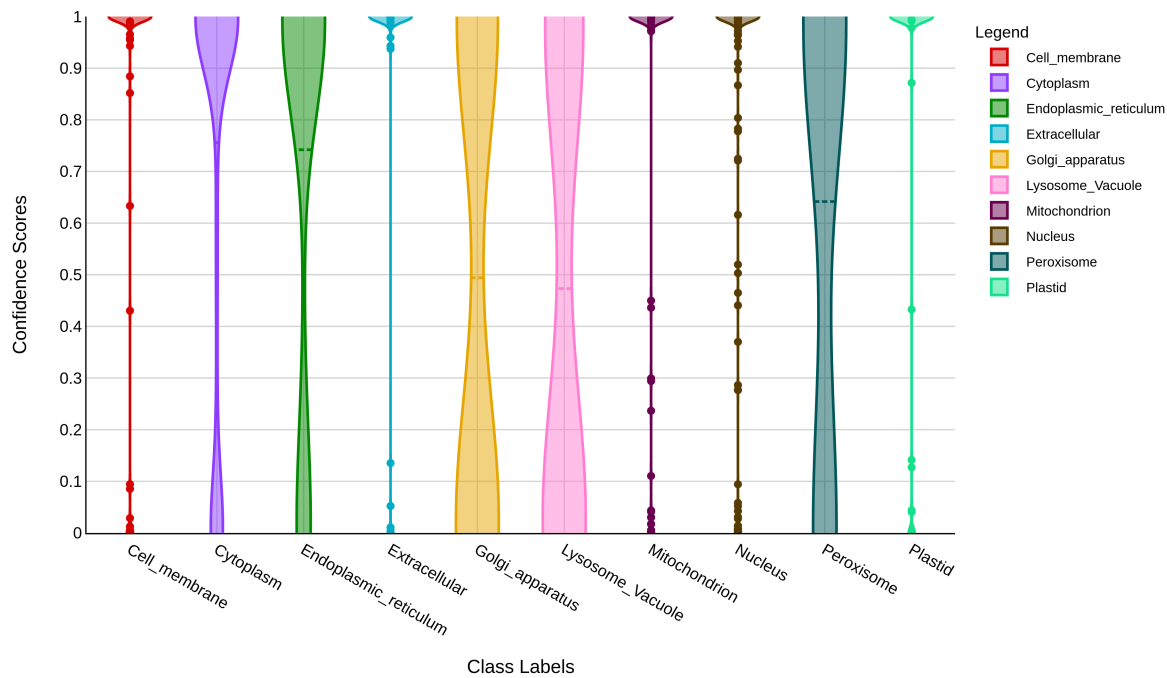
Confusion Matrix (PositionalFastKAN)



MultiFigure: ROCCurve | PRCurve



Prediction Confidence Distribution (PositionalFastKAN)



Final Evaluation Report: PositionalFastKAN (b97b8ac3-aa07-4765-88c7-49252ededa74)

Test Set Performance

Summary of Metrics:

- Samples: 490

- Loss: 3.575

- Accuracy: 60.000%

- Precision (PPV): 53.007%

- Recall (Sensitivity): 51.998%

- Specificity (TNR): 95.075%

- F1-Score: 50.708%

- ROC AUC: 84.574%

- PR AUC: 54.190%

- Performance: 61.044%

- Weighted: False

Test Set Performance (Sampled Statistics)

MetricsSampled Summary:

mean metric 95% confidence interval

Accuracy: 60.11 [60.00 - 60.21]

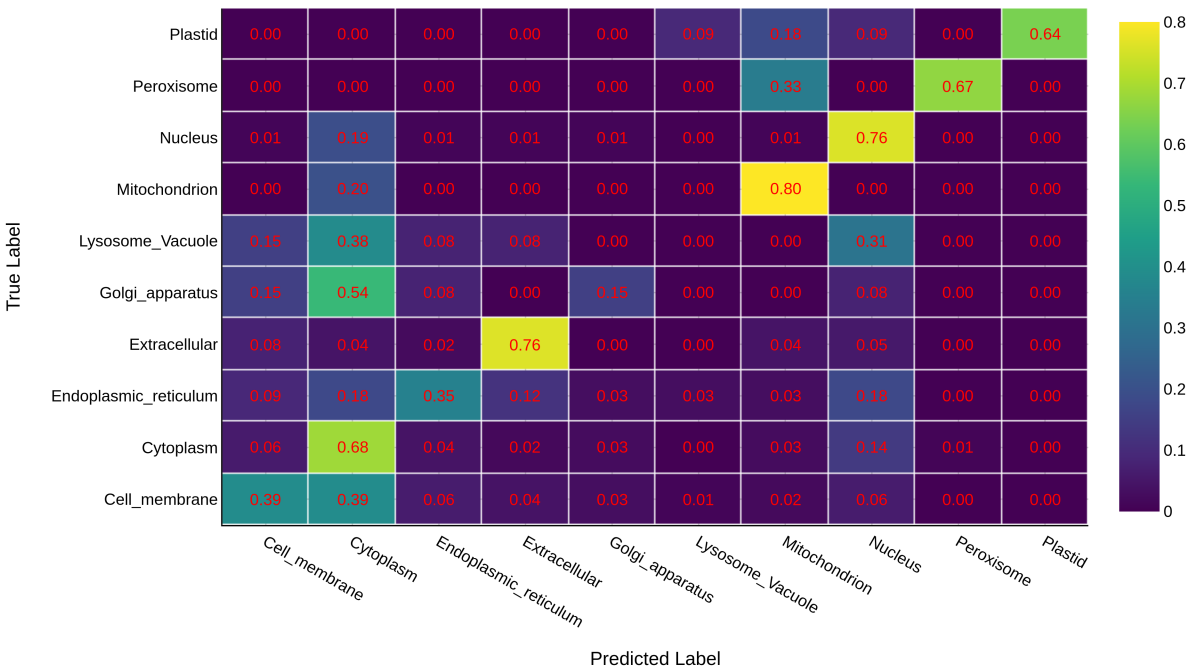
Sensitivity: 51.81 [51.58 - 52.03]

Specificity: 95.08 [95.07 - 95.10]

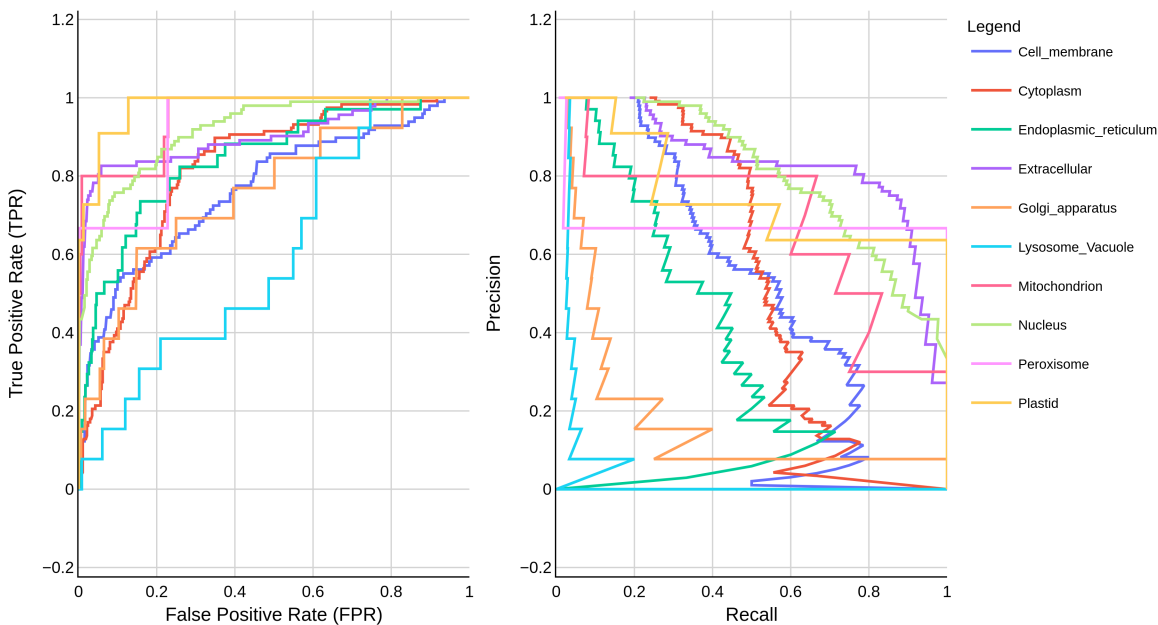
F1-Score: 49.88 [49.67 - 50.08]

Figures & Visualizations

Confusion Matrix (PositionalFastKAN)



MultiFigure: ROCCurve | PRCurve



Prediction Confidence Distribution (PositionalFastKAN)

