Training Report: AttentionFastKAN 240a31a5-4230-45da-91ab-4f41c3131412

Best Epoch Performance Metrics

```
Summary of Metrics:
- Samples: 1678
- Loss: 1.078
- Accuracy: 80.149%
- Precision (PPV): 81.614%
- Recall (Sensitivity): 80.149%
- Specificity (TNR): 99.259%
- F1-Score: 80.040%
- ROC AUC: 94.025%
- PR AUC: 77.217%
- Performance: 82.970%
- Weighted: True
```

Model Configuration

```
- in_channels: 1024
- in_seq_len: 1023
- out_channels: 10
- reduced_seq_len: 10
- hidden_layers: HiddenLayers(kind=Type.RELATIVE, value=(0.14, 2))
- num_heads: 8
- grid_diff: 1.5
- num_grids: 7
```
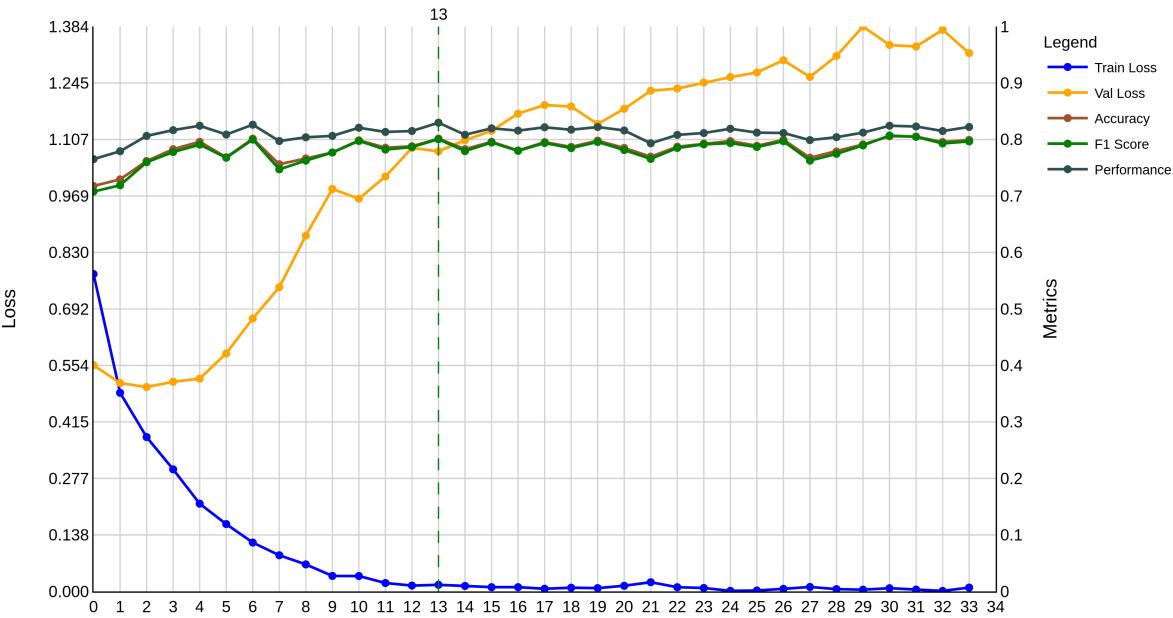
Memory Size:

```
415.696 MB
```
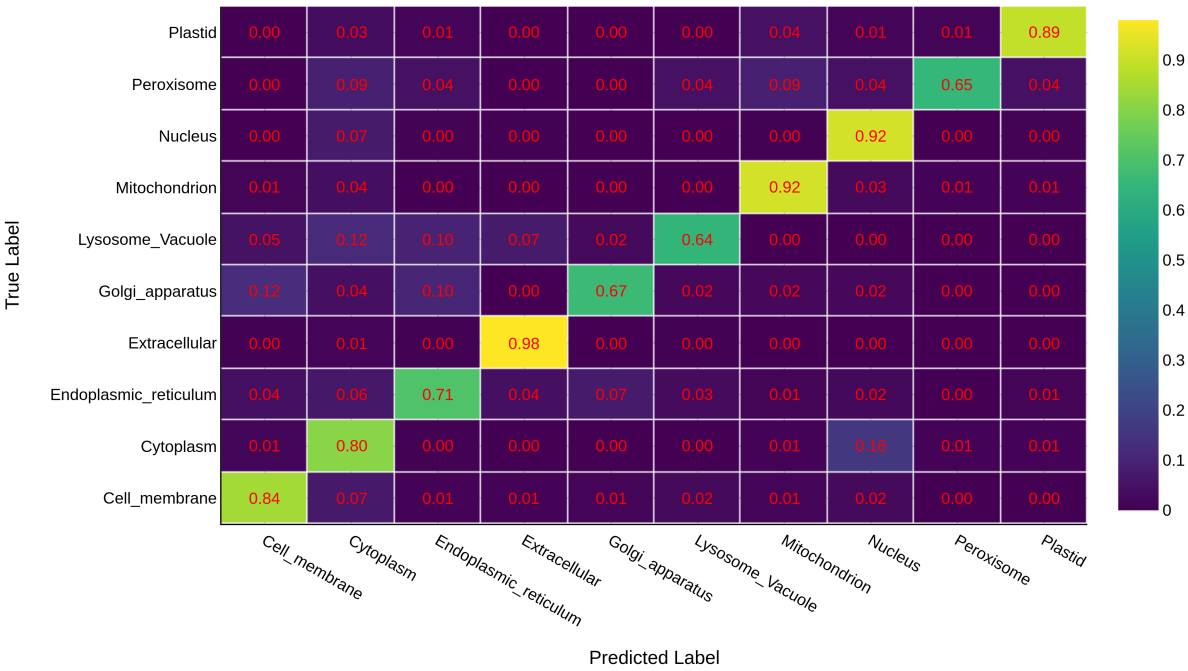
Best Epoch

```
13
```
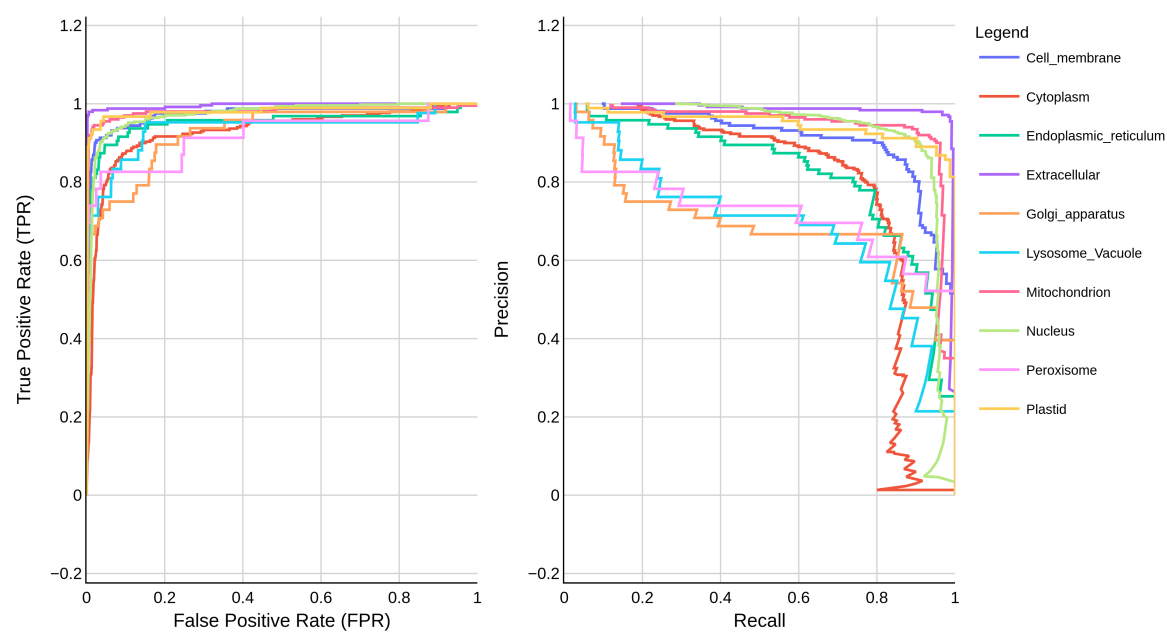
Figures & Visualizations

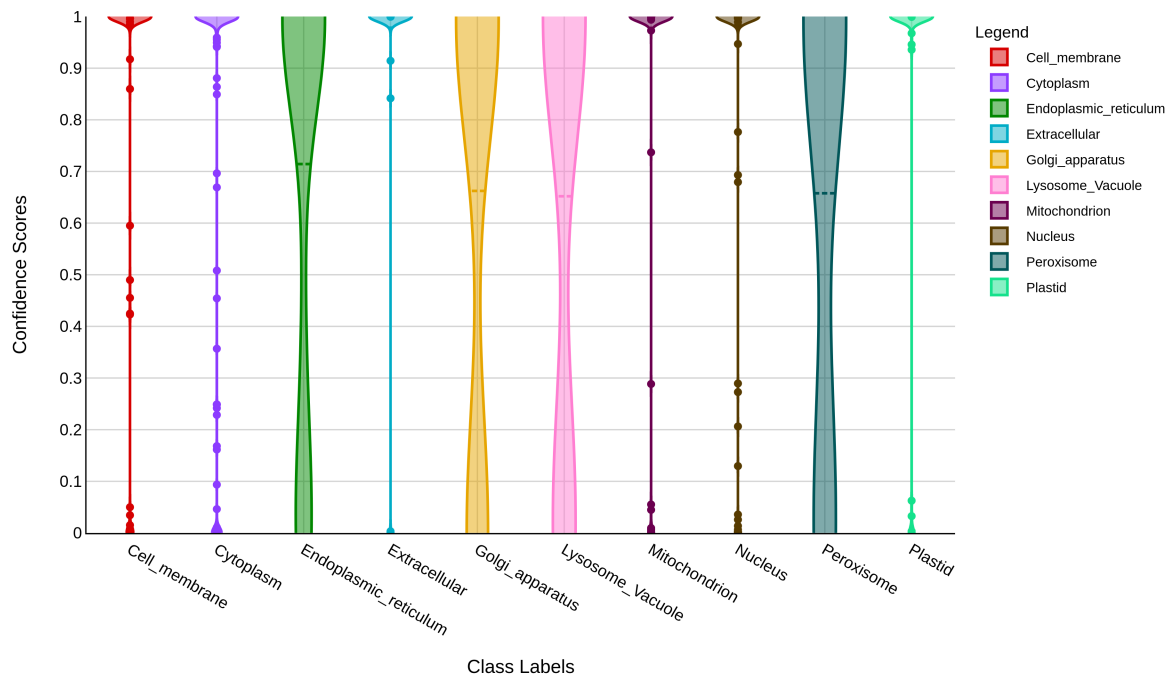TrainingLoss & TrainingPerformance (epoch: 33) | AttentionFastKAN

Confusion Matrix (AttentionFastKAN)

MultiFigure: ROCCurve | PRCurve

Prediction Confidence Distribution (AttentionFastKAN)

Final Evaluation Report: AttentionFastKAN 240a31a5-4230-45da-91ab-4f41c3131412

Test Set Performance

```
Summary of Metrics:
- Samples: 490
- Loss: 3.107
- Accuracy: 64.082%
- Precision (PPV): 61.993%
- Recall (Sensitivity): 58.898%
- Specificity (TNR): 95.620%
- F1-Score: 58.852%
- ROC AUC: 86.837%
- PR AUC: 61.346%
- Performance: 66.921%
- Weighted: False
```
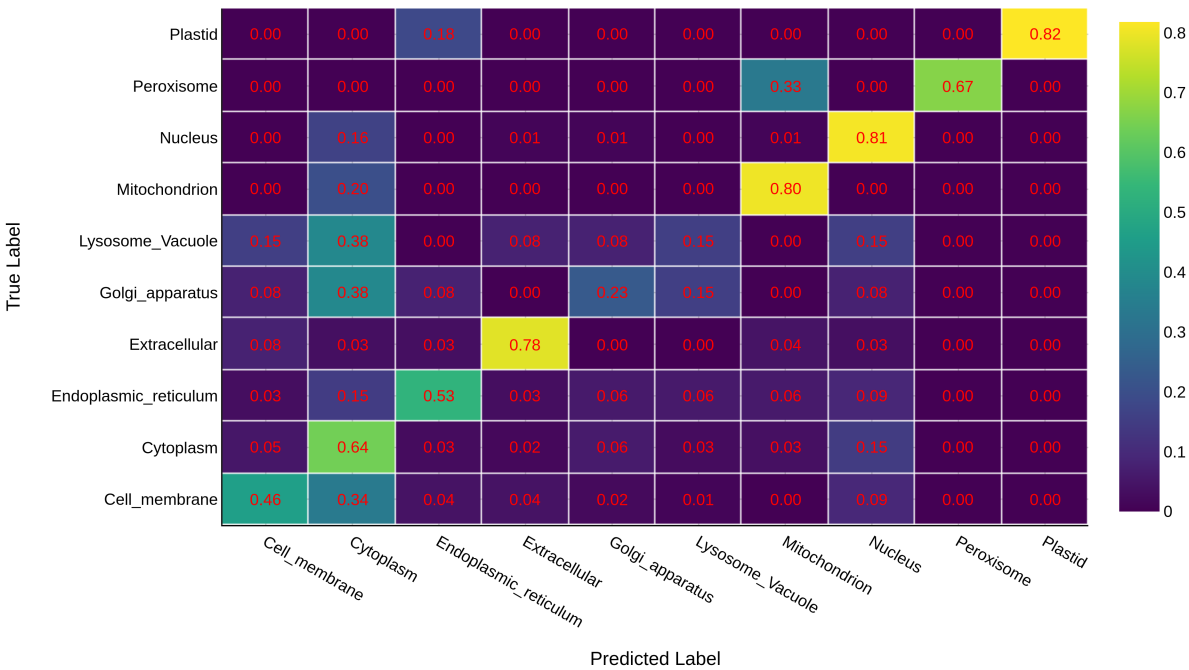
Test Set Performance (Sampled Statistics)
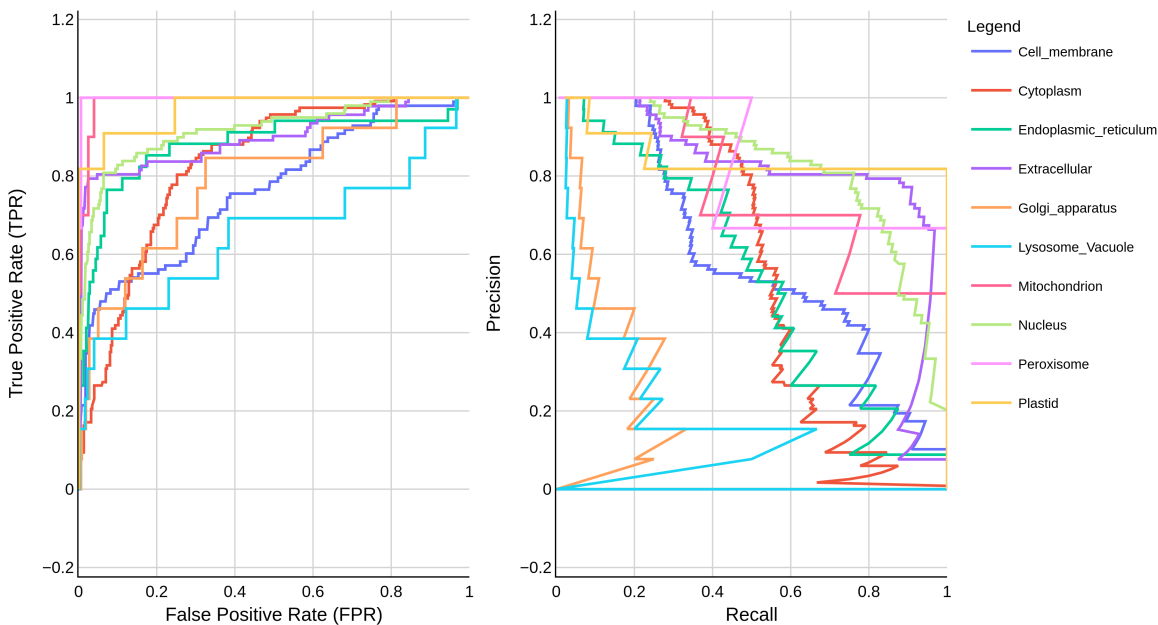
```
MetricsSampled Summary:
mean metric 95% confidence interval
Accuracy: 64.08 [63.97 - 64.18]
Sensitivity: 58.59 [58.35 - 58.82]
Specificity: 95.62 [95.61 - 95.63]
F1-Score: 57.45 [57.23 - 57.67]
```

Figures & Visualizations

Confusion Matrix (AttentionFastKAN)

MultiFigure: ROCCurve | PRCurve

Prediction Confidence Distribution (AttentionFastKAN)