Training Report: AttentionFastKAN 2de816ef-8c09-4628-8930-52e3fe969738

Best Epoch Performance Metrics

```
Summary of Metrics:
- Samples: 1678
- Loss: 1.076
- Accuracy: 80.646%
- Precision (PPV): 82.304%
- Recall (Sensitivity): 80.646%
- Specificity (TNR): 99.294%
- F1-Score: 80.428%
- ROC AUC: 96.412%
- PR AUC: 79.047%
- Performance: 83.840%
- Weighted: True
```
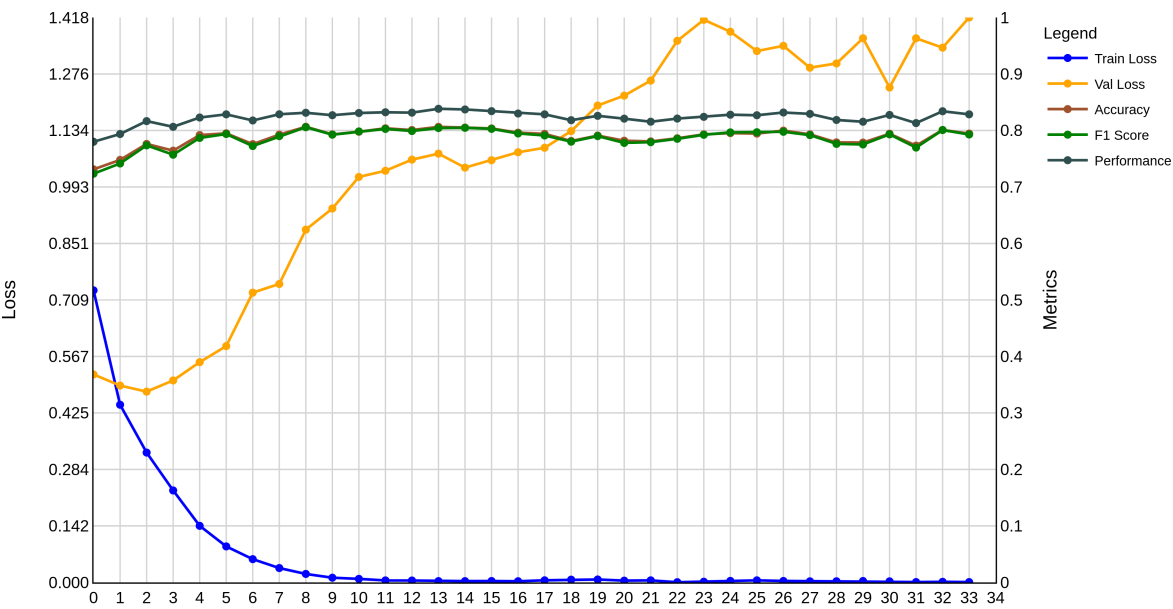
Model Configuration

```
- in_channels: 1024
- in_seq_len: 1023
- out_channels: 10
- reduced_seq_len: 10
- hidden_layers: HiddenLayers(kind=Type.RELATIVE, value=(0.04, 1))
- num_heads: 8
- grid_diff: 1.5
- num_grids: 7
```
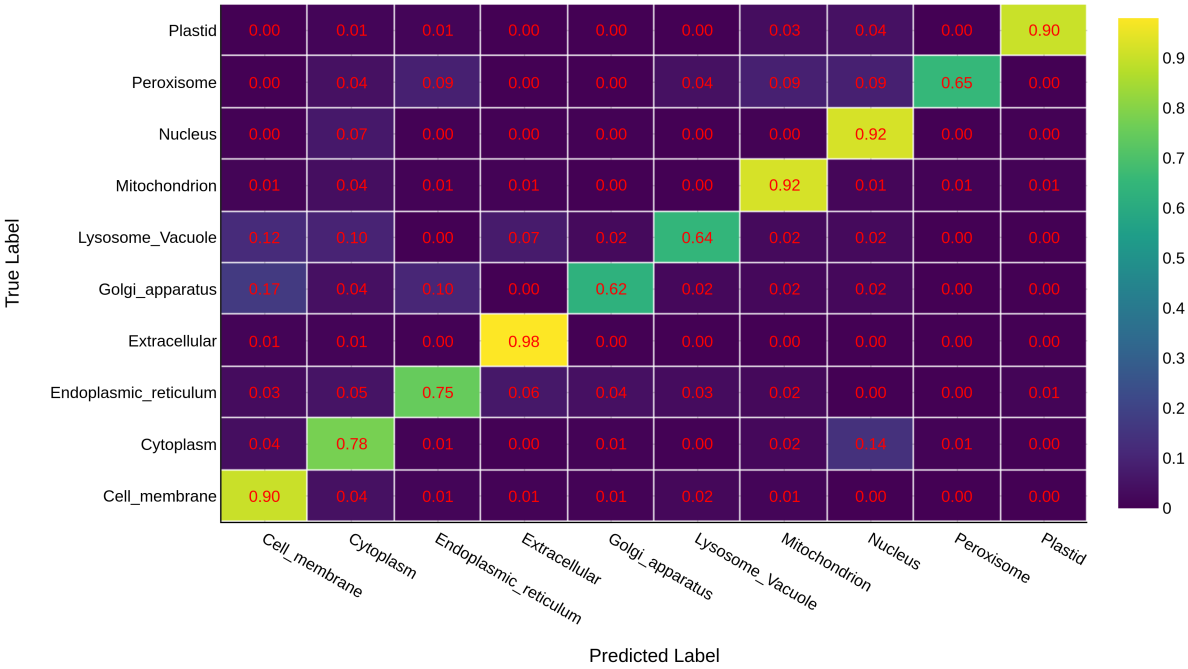
Memory Size:

```
128.089 MB
```
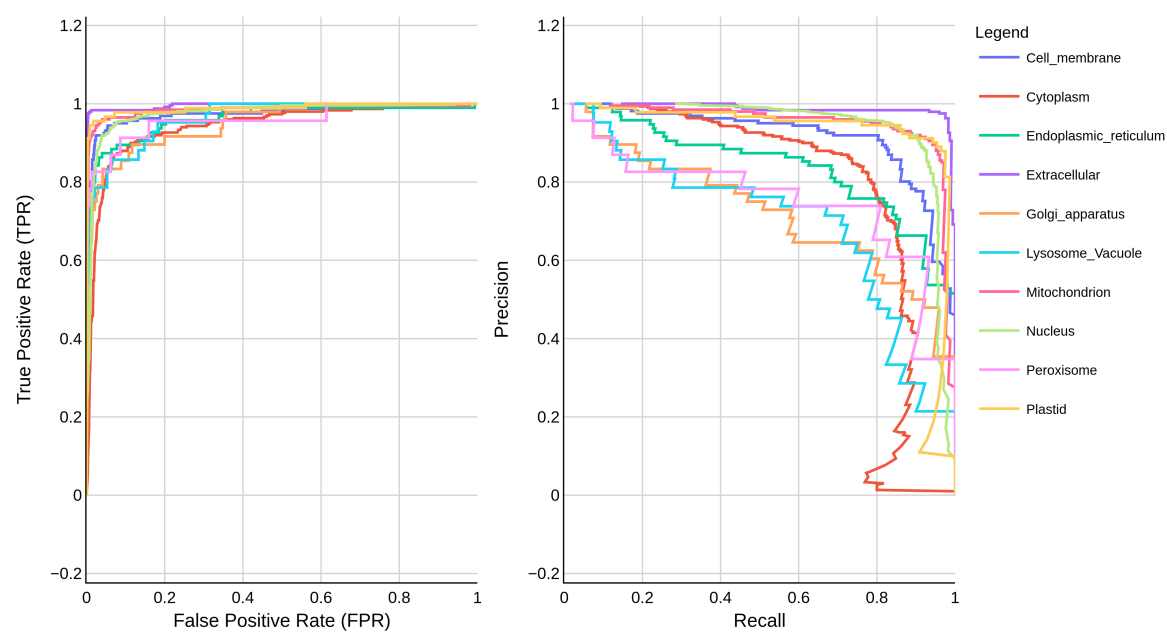
Figures & Visualizations

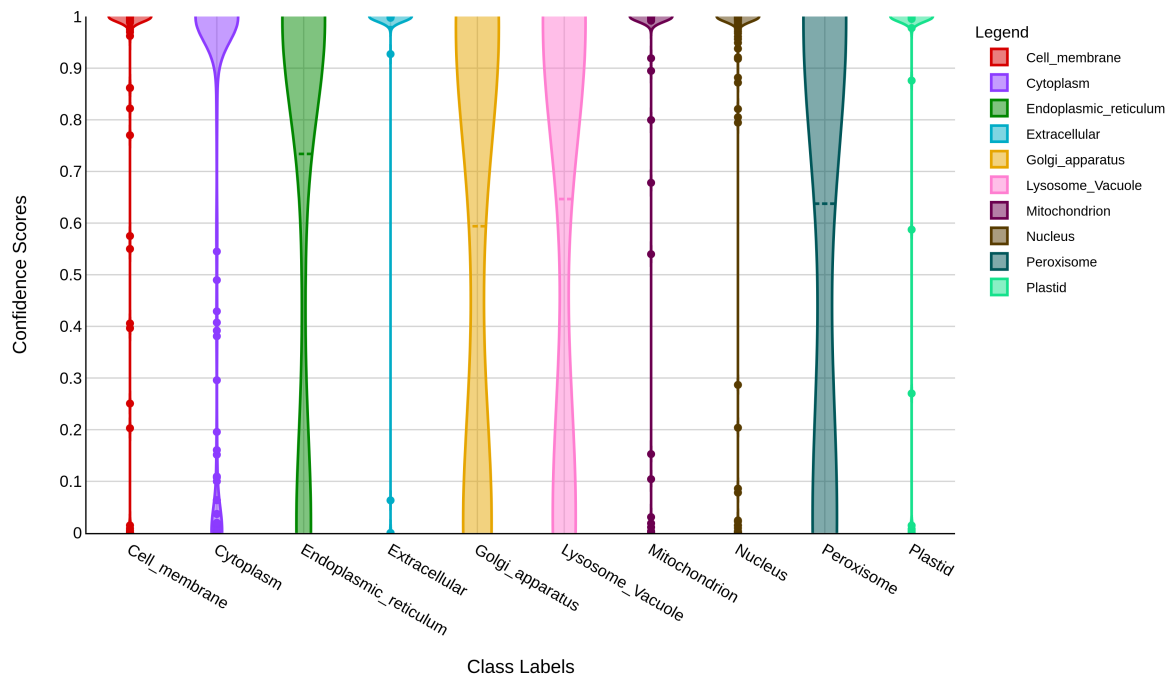TrainingLoss & TrainingPerformance (epoch: 33) | AttentionFastKAN

Confusion Matrix (AttentionFastKAN)

MultiFigure: ROCCurve | PRCurve

Prediction Confidence Distribution (AttentionFastKAN)

Final Evaluation Report: AttentionFastKAN (2de816ef-8c09-4628-8930-52e3fe969738)

Test Set Performance

```
Summary of Metrics:
- Samples: 490
- Loss: 3.013
- Accuracy: 67.551%
- Precision (PPV): 62.802%
- Recall (Sensitivity): 65.218%
- Specificity (TNR): 95.998%
- F1-Score: 62.580%
- ROC AUC: 89.212%
- PR AUC: 63.056%
- Performance: 69.760%
- Weighted: False
```
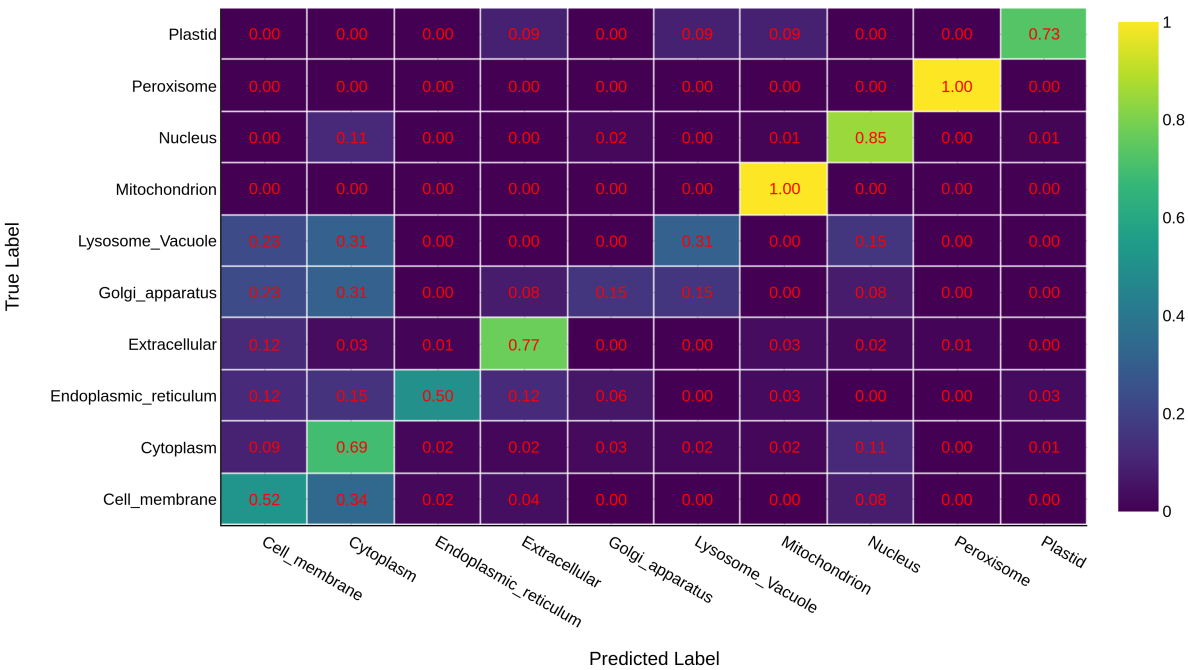
Test Set Performance (Sampled Statistics)
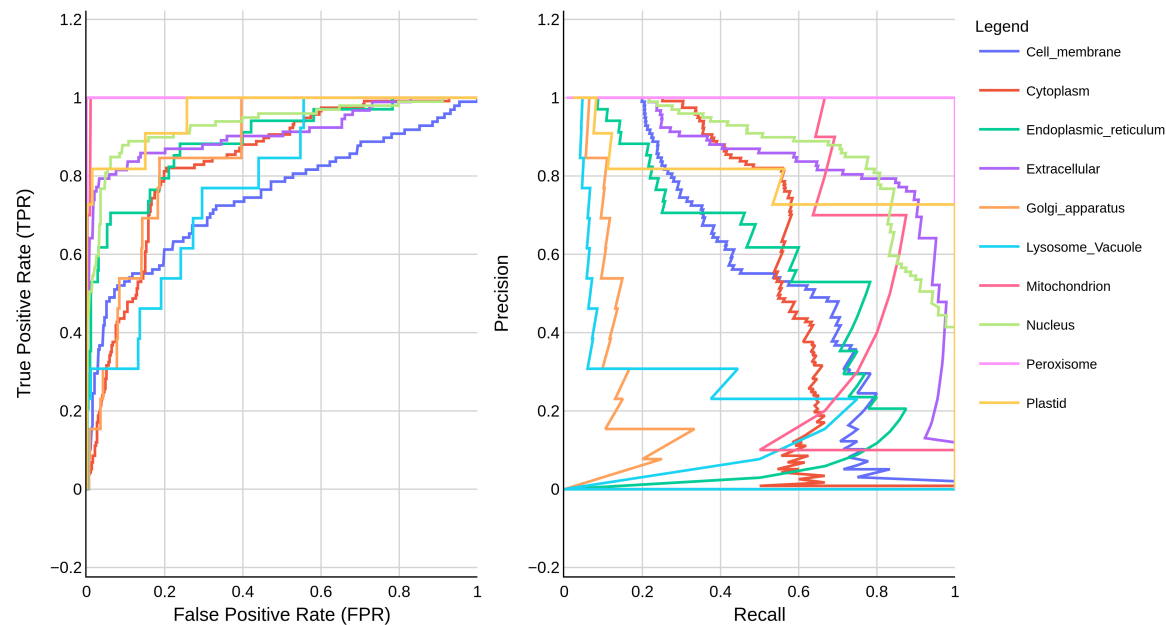
```
MetricsSampled Summary:
mean metric 95% confidence interval
Accuracy: 67.64 [67.54 - 67.74]
Sensitivity: 64.68 [64.52 - 64.85]
Specificity: 96.01 [96.00 - 96.02]
F1-Score: 61.26 [61.07 - 61.45]
```

Figures & Visualizations

Confusion Matrix (AttentionFastKAN)

MultiFigure: ROCCurve | PRCurve

Prediction Confidence Distribution (AttentionFastKAN)