Training Report: PositionalMLP 1f52f9ad-de0c-4ac9-9c37-90cf42e85468

Best Epoch Performance Metrics

```
Summary of Metrics:
- Samples: 1678
- Loss: 1.587
- Accuracy: 78.242%
- Precision (PPV): 81.330%
- Recall (Sensitivity): 78.242%
- Specificity (TNR): 99.198%
- F1-Score: 78.238%
- ROC AUC: 95.058%
- PR AUC: 74.162%
- Performance: 81.515%
- Weighted: True
```
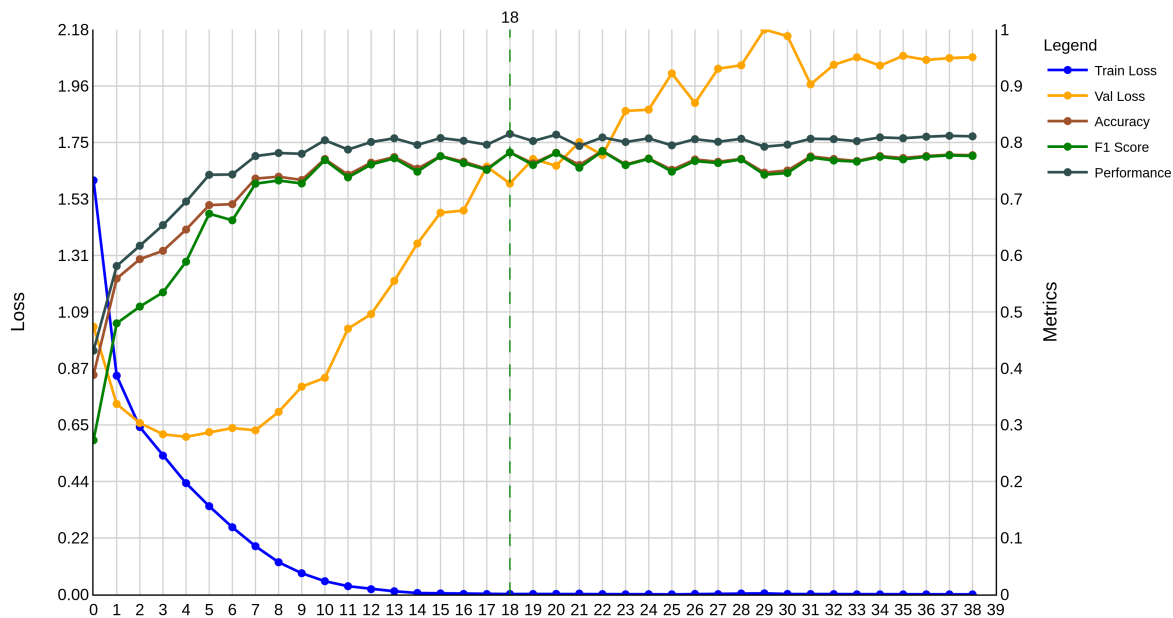
Model Configuration

```
- in_channels: 1024
- in_seq_len: 1023
- out_channels: 10
- reduced_seq_len: 10
- reduced_channels: 512
- hidden_layers: HiddenLayers(kind=Type.RELATIVE, value=(0.5, 2))
- kernel_size: 3
- weights_scalar: 2.0
```
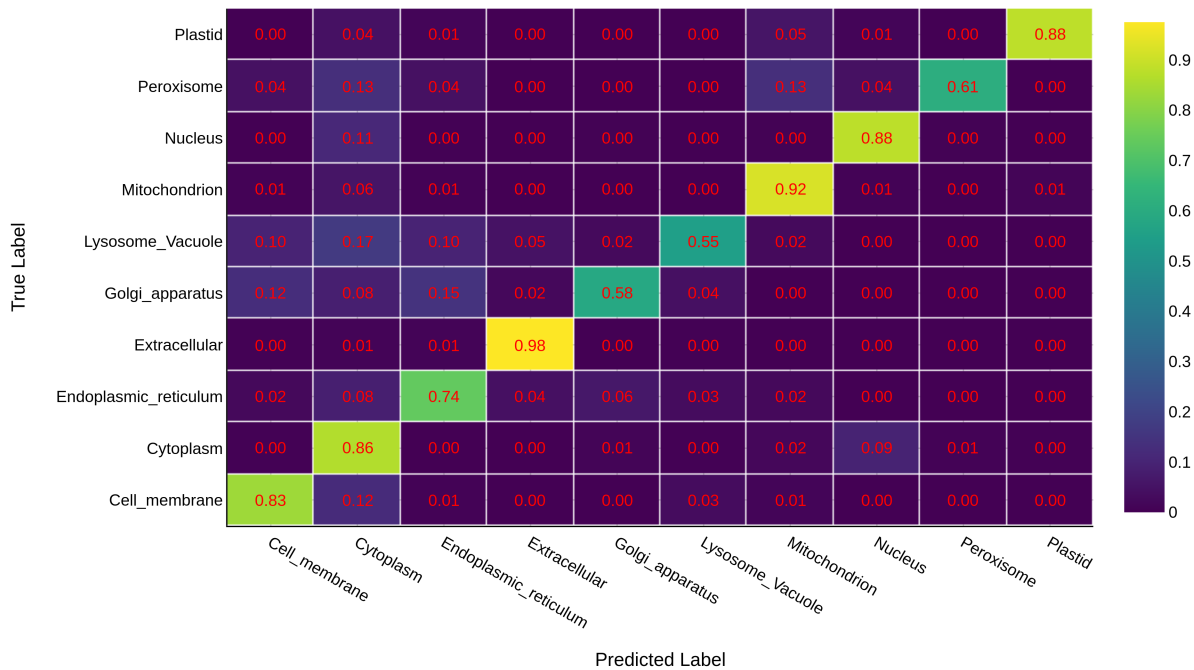
Memory Size:

```
68.565 MB
```
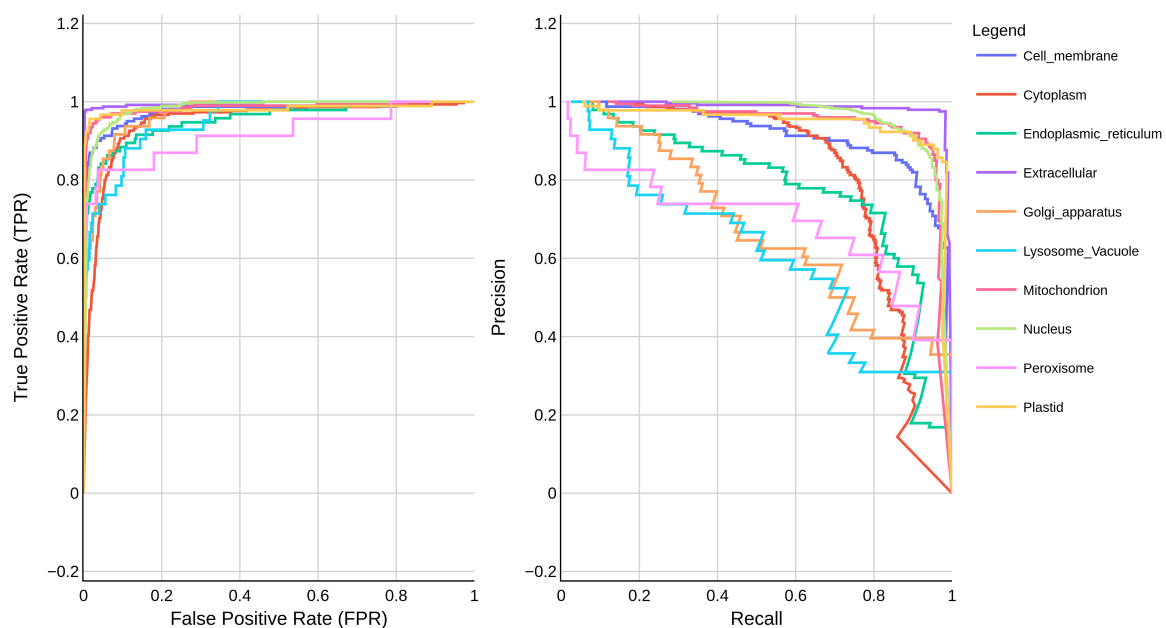
Figures & Visualizations

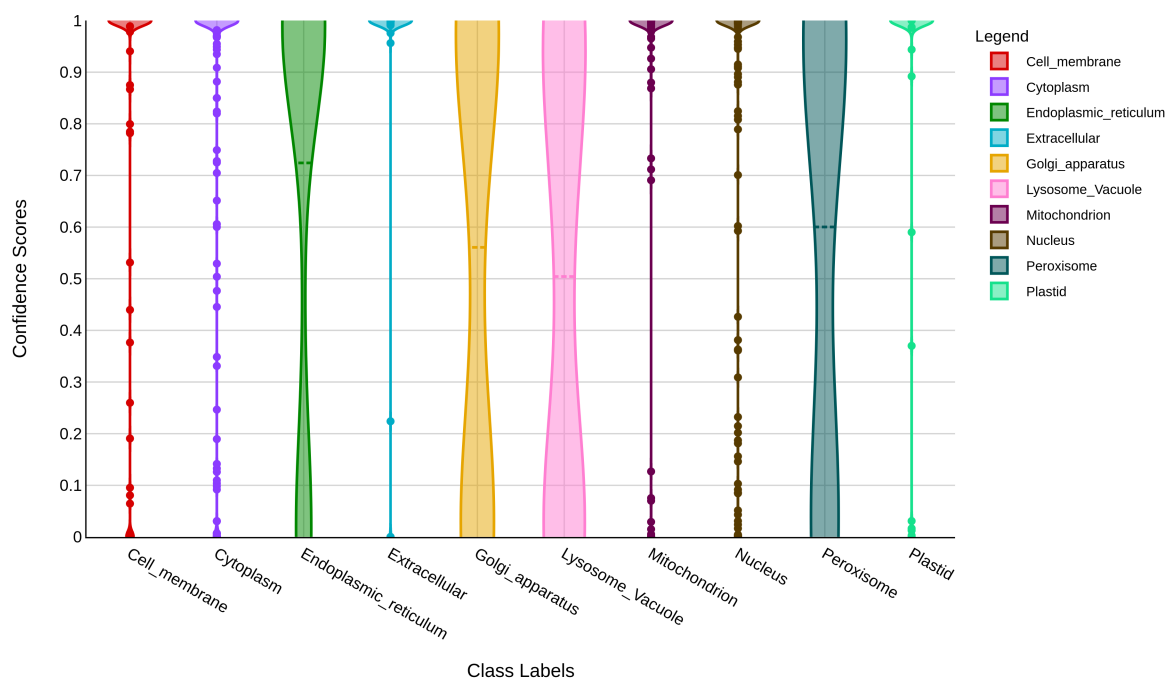TrainingLoss & TrainingPerformance (epoch: 38) | PositionalMLP

Confusion Matrix (PositionalMLP)

MultiFigure: ROCCurve | PRCurve

Prediction Confidence Distribution (PositionalMLP)

Final Evaluation Report: PositionalMLP 1f52f9ad-de0c-4ac9-9c37-90cf42e85468

Test Set Performance

```
Summary of Metrics:
- Samples: 490
- Loss: 5.458
- Accuracy: 64.490%
- Precision (PPV): 55.423%
- Recall (Sensitivity): 57.043%
- Specificity (TNR): 95.629%
- F1-Score: 53.781%
- ROC AUC: 88.553%
- PR AUC: 59.116%
- Performance: 64.732%
- Weighted: False
```
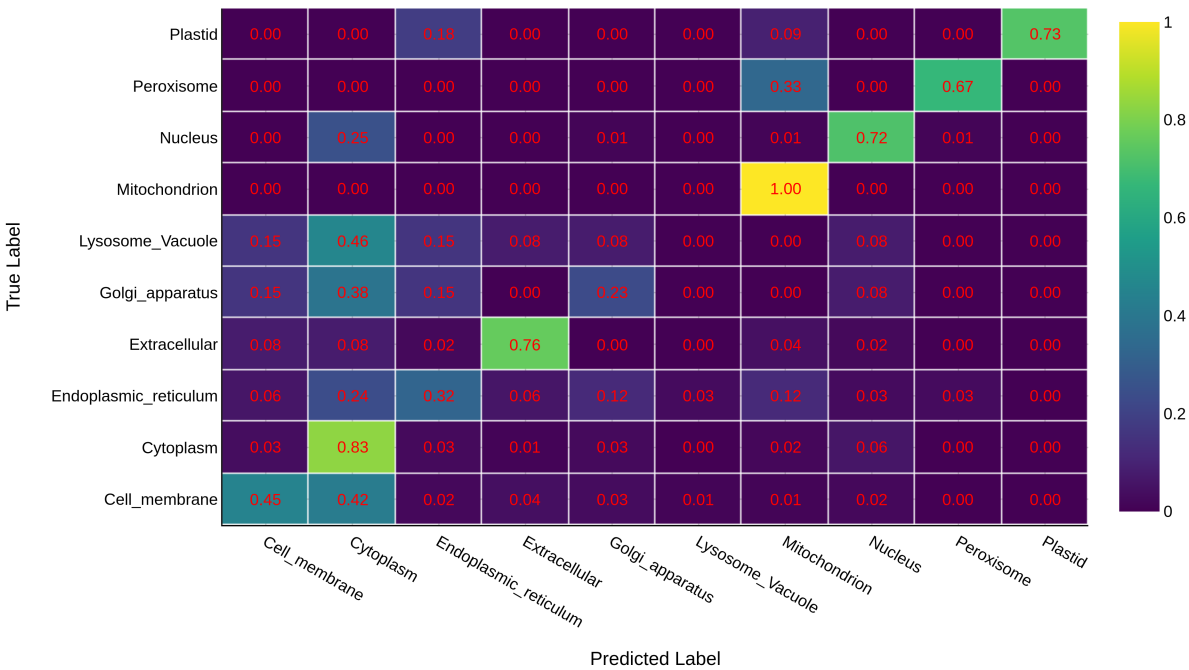
Test Set Performance (Sampled Statistics)
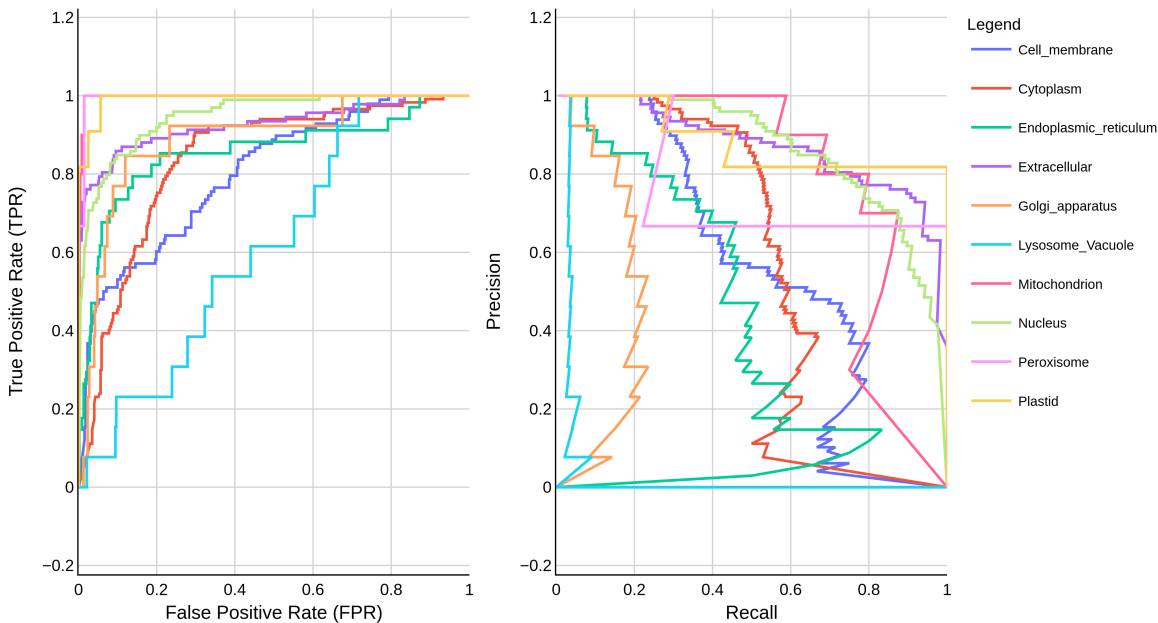
```
MetricsSampled Summary:
mean metric 95% confidence interval
Accuracy: 64.42 [64.32 - 64.53]
Sensitivity: 56.70 [56.50 - 56.91]
Specificity: 95.63 [95.62 - 95.64]
F1-Score: 52.67 [52.49 - 52.85]
```

Figures & Visualizations

Confusion Matrix (PositionalMLP)

MultiFigure: ROCCurve | PRCurve

Prediction Confidence Distribution (PositionalMLP)