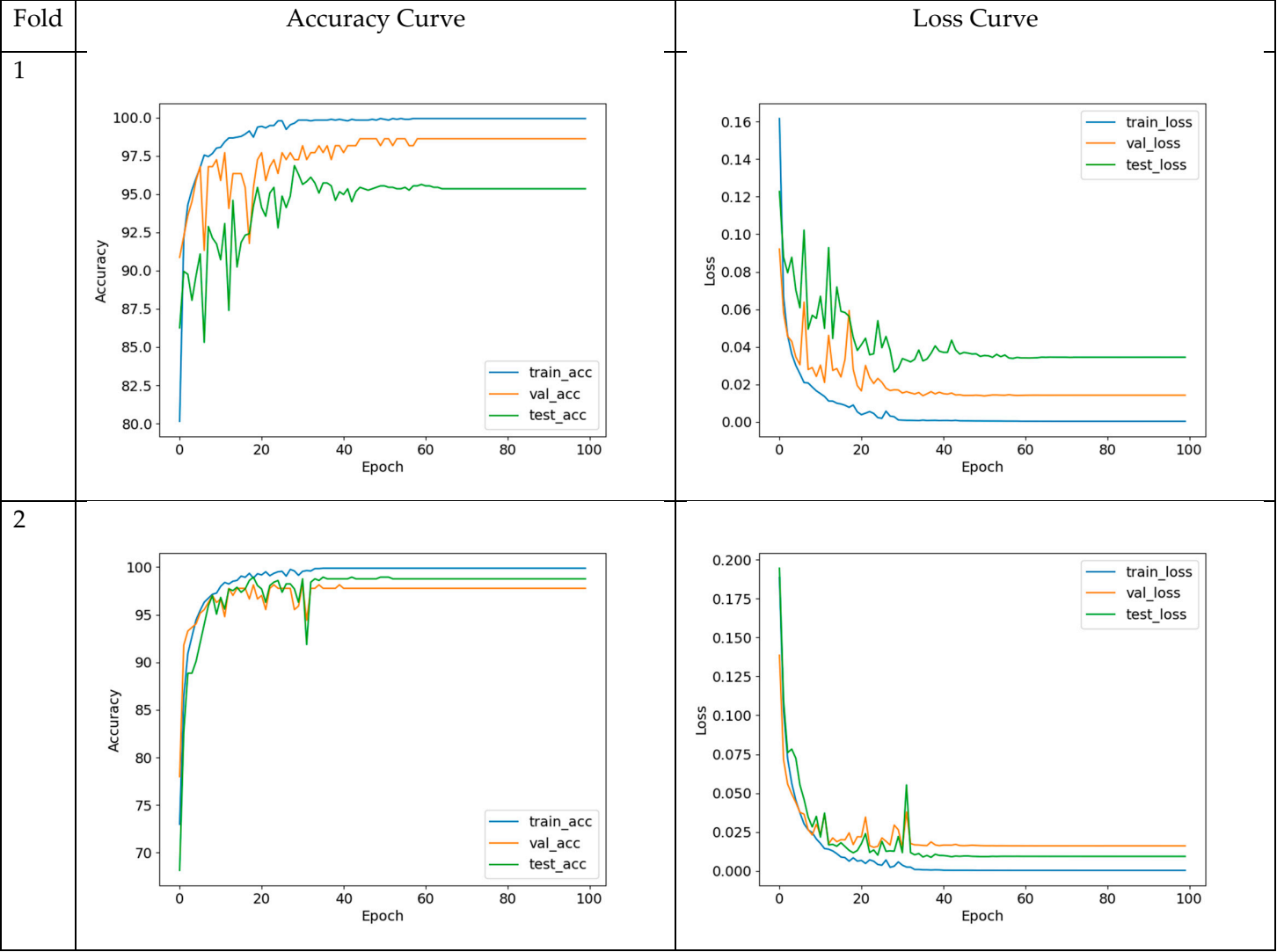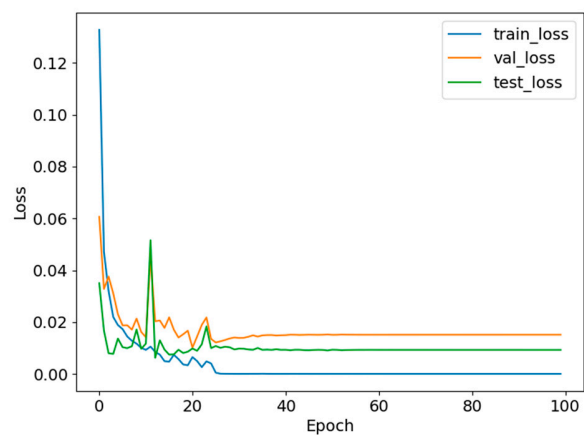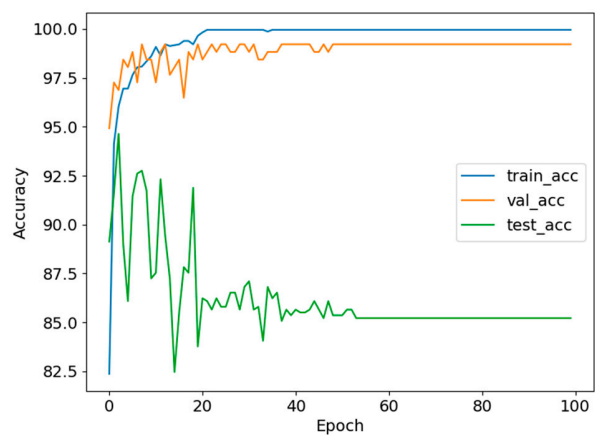# Supplementary Materials

Self-ResNet18_Q1 Model
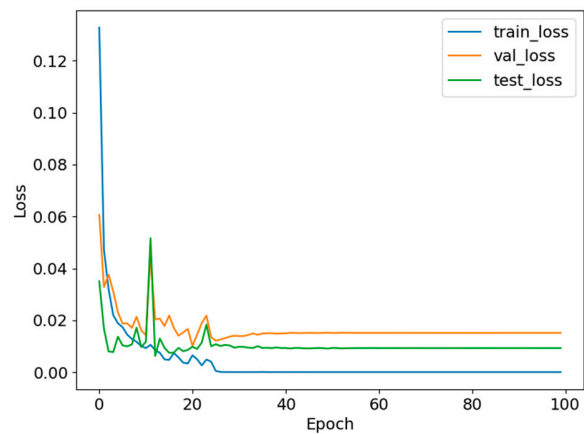
Table S1: Fold-wise learning curves of the Self-ResNet18_Q1 model

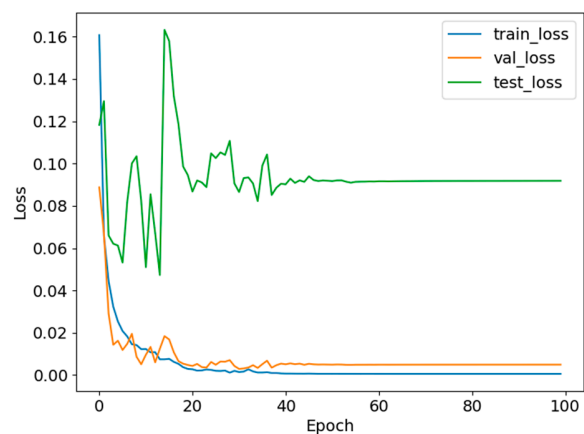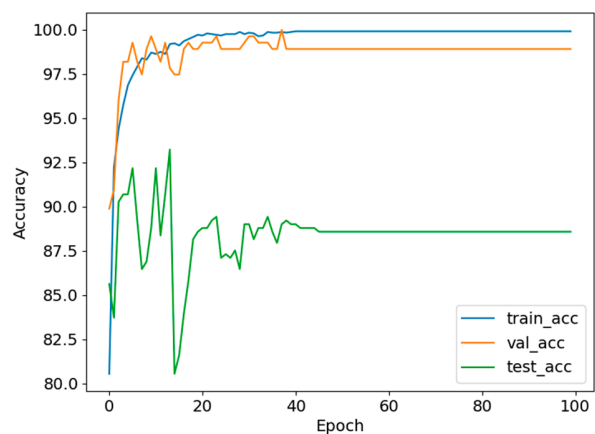| Fold	Accuracy Curve	Loss Curve
1		
2		

3		
4		
5		
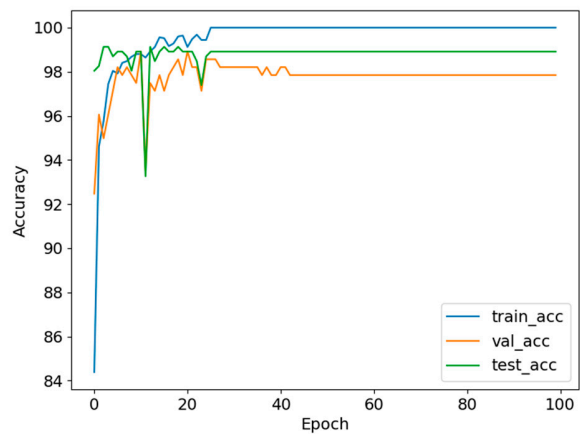
The confusion matrix of Self-ResNet18_Q1 model is given in Figure 1.
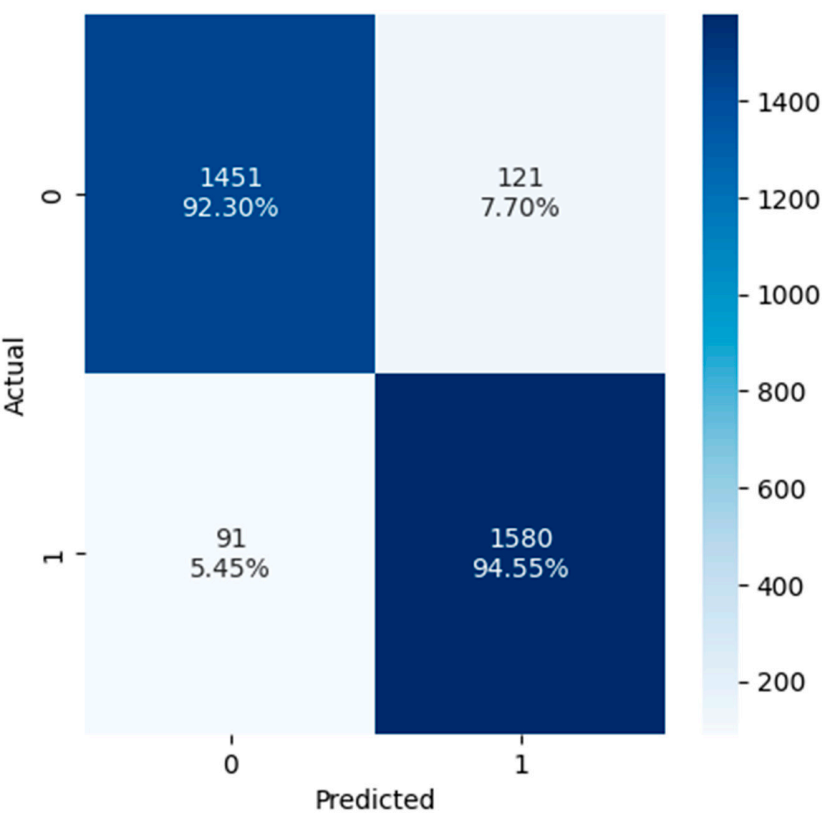

Figure S1: Confusion matrix for Self-ResNet18_Q1 model

The Receiver operator characteristics (ROC) curve of Self-ResNet18_Q1 model is given in Figure 2 below.
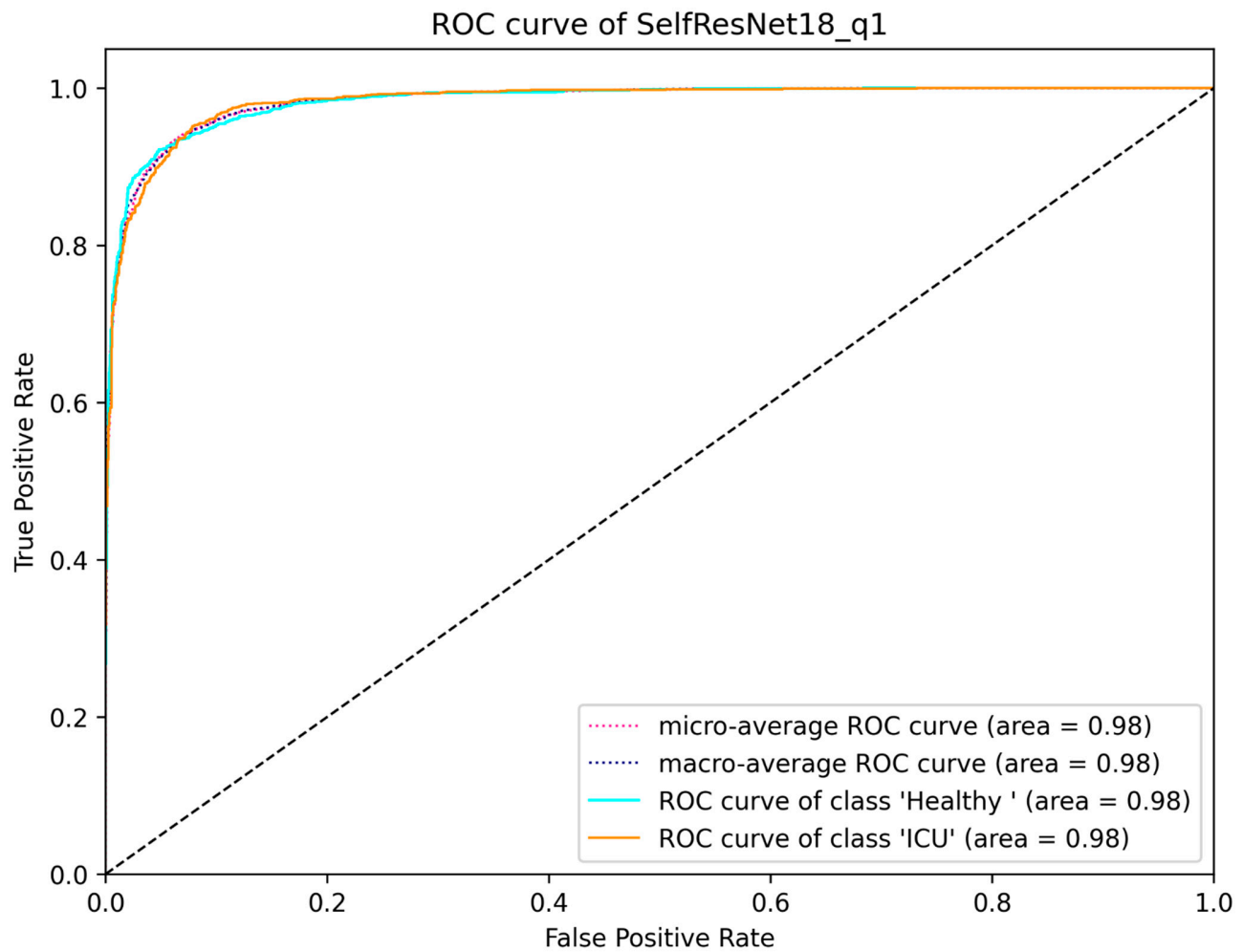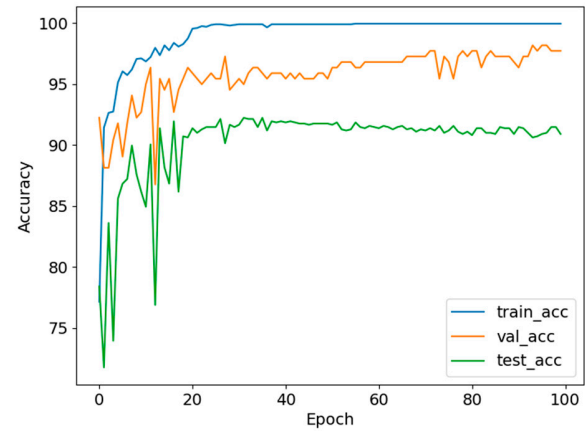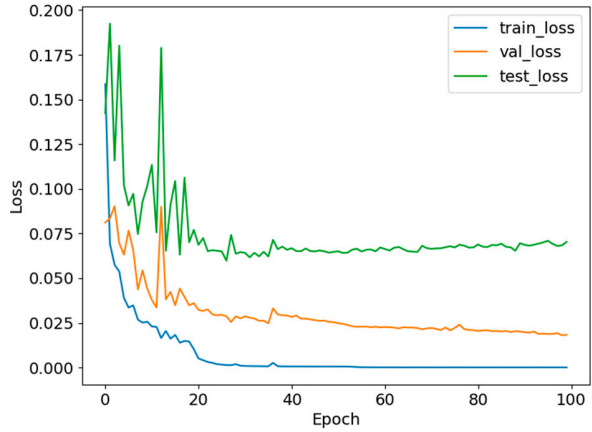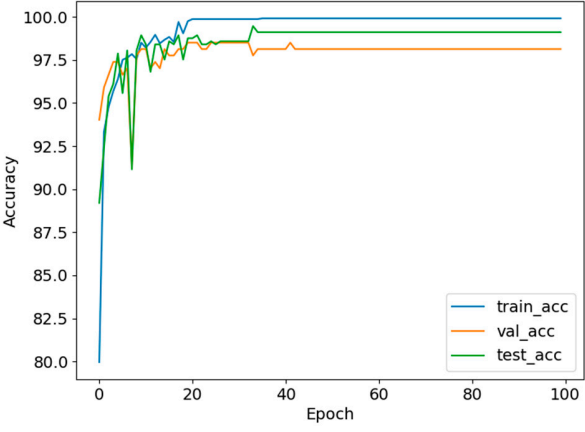

ROC curve of SelfResNet18_q1

- micro-average ROC curve (area = 0.98)
- macro-average ROC curve (area = 0.98)
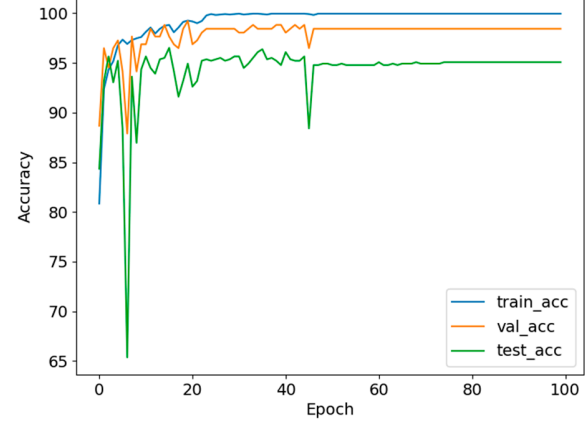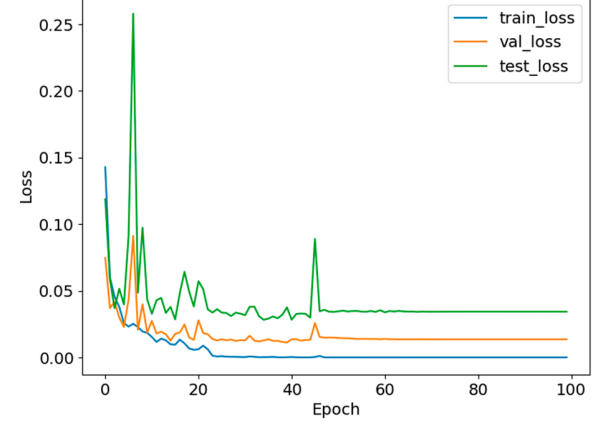- ROC curve of class 'Healthy ' (area = 0.98)
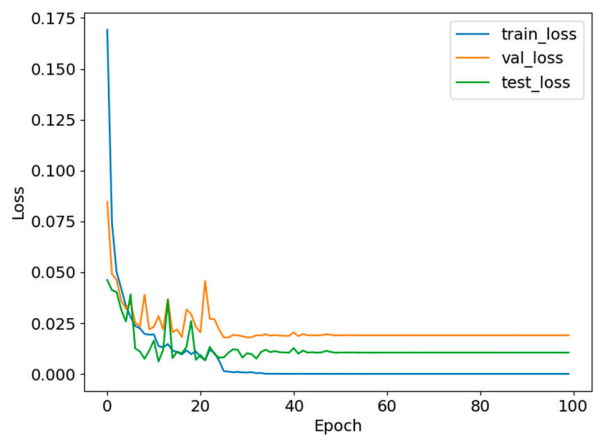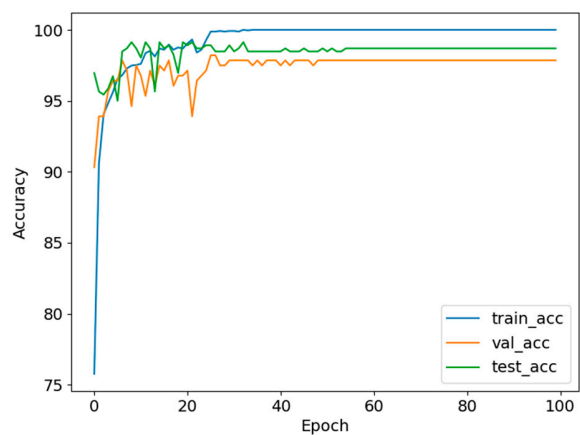- ROC curve of class 'ICU' (area = 0.98)
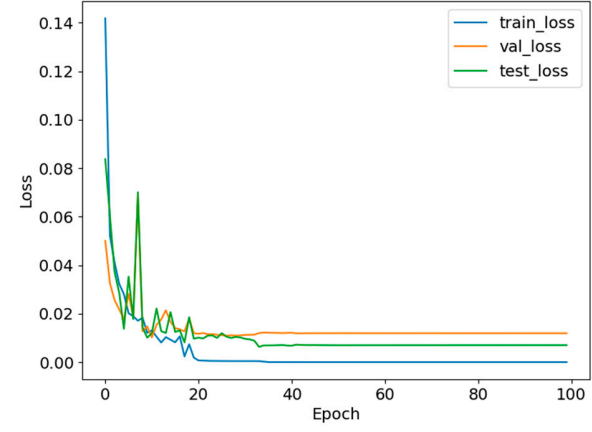
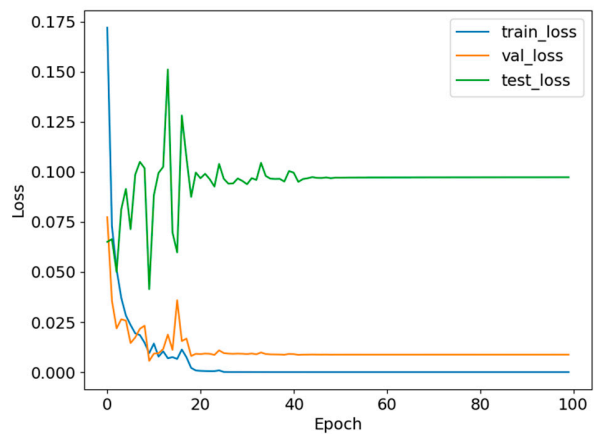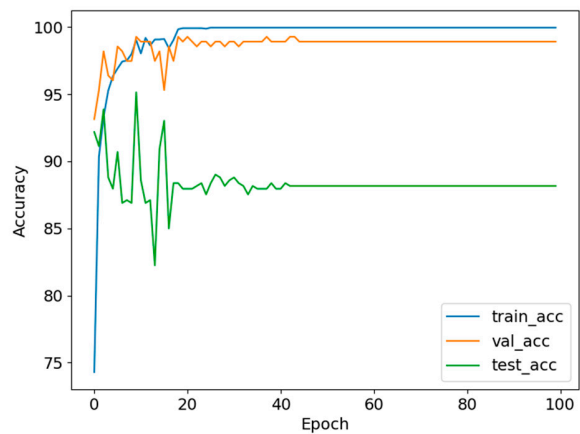*Figure S2: ROC curve of Self-ResNet18_Q1 model*

Self-ResNet18_Q3 Model

Table S2: Fold-wise learning curves of the Self-ResNet18_Q3 model

Fold	Accuracy Curve	Loss Curve
1		
2		
3		

4		
5		

The confusion matrix of Self-ResNet18_Q3 model is given in Figure 3.
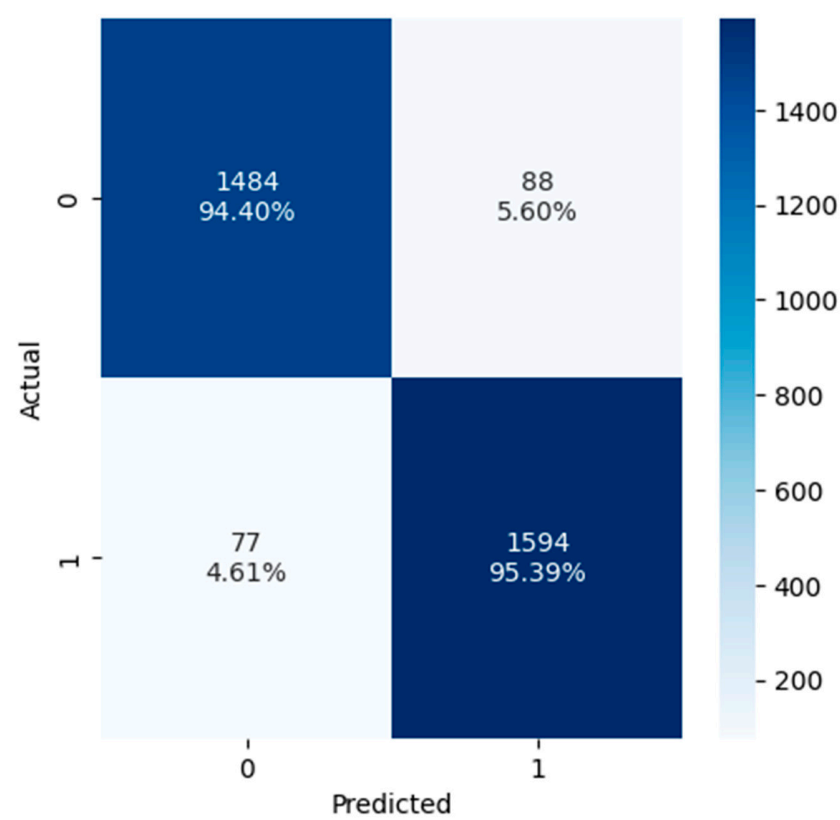

Figure S3: Confusion matrix for Self-ResNet18_Q3 model

The Receiver operator characteristics (ROC) curve of Self-ResNet18_Q3 model is given in Figure 4 below.
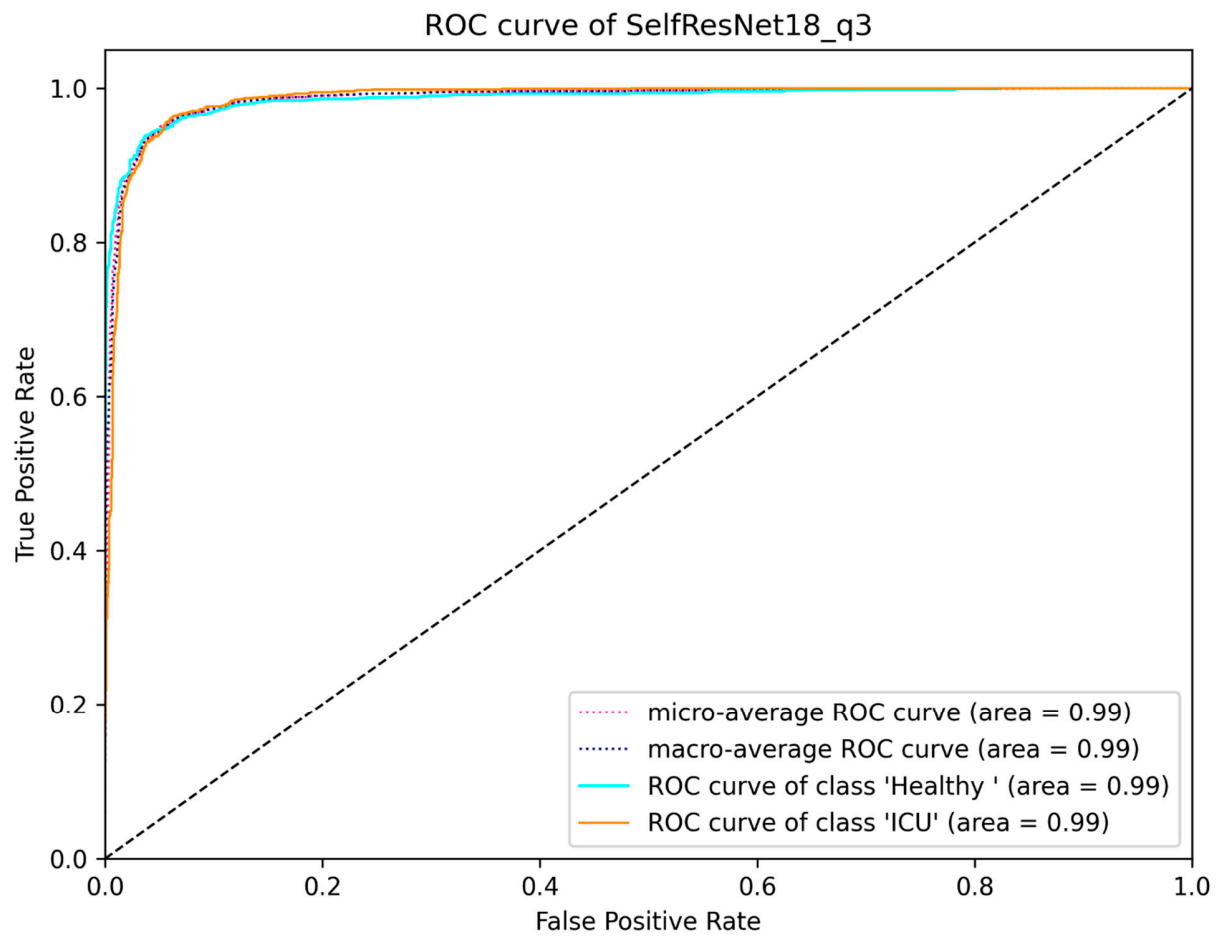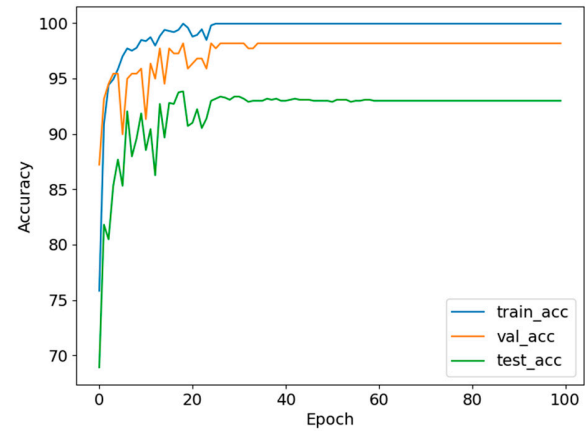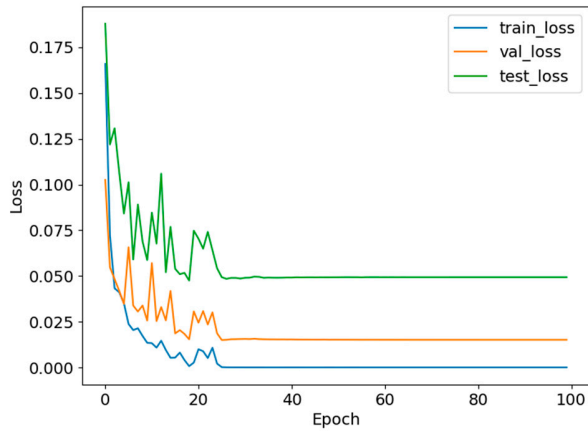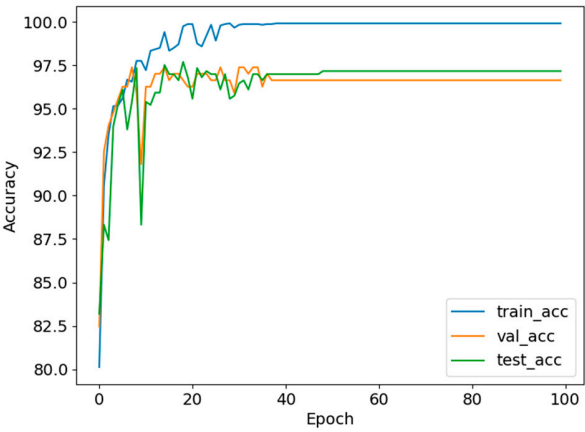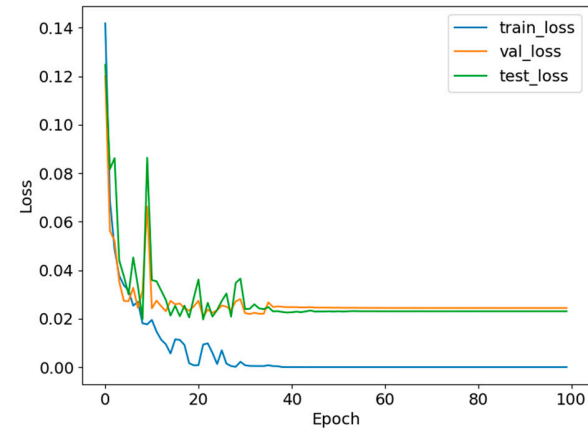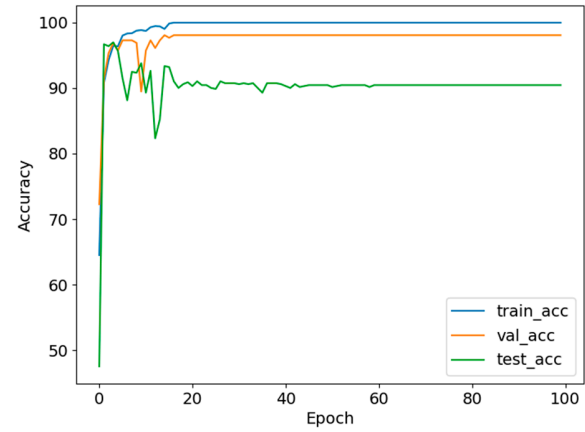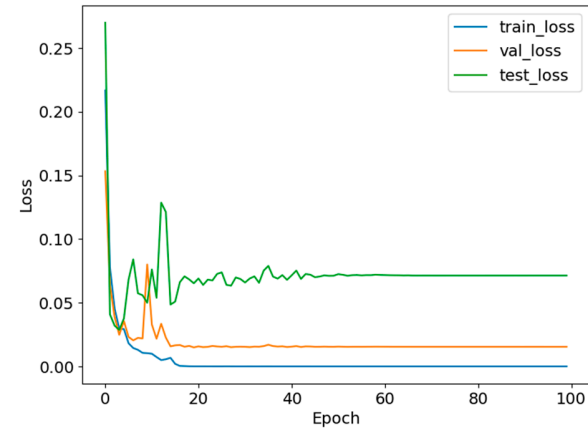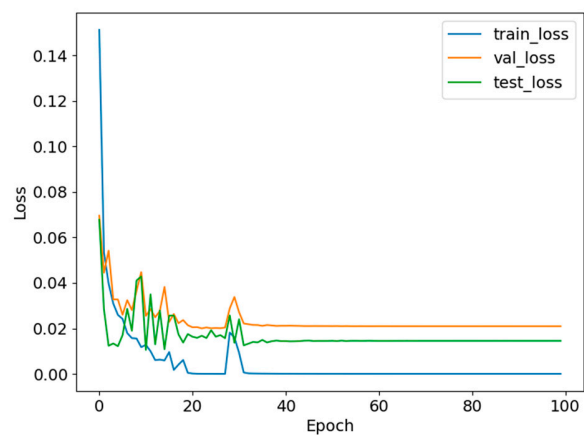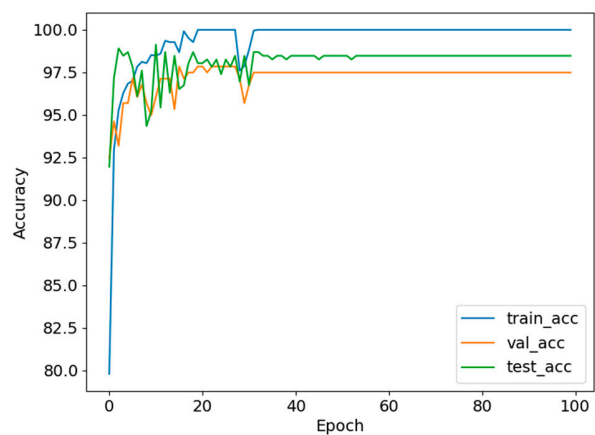

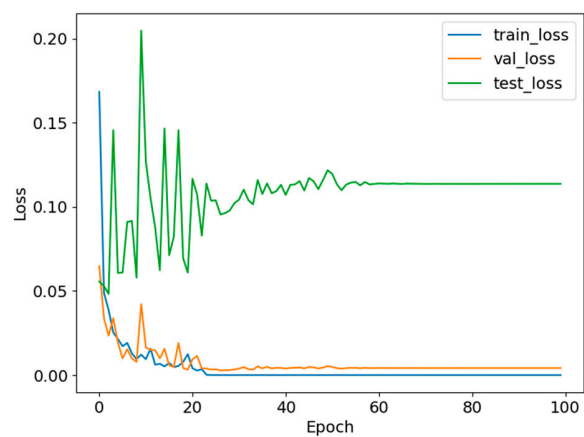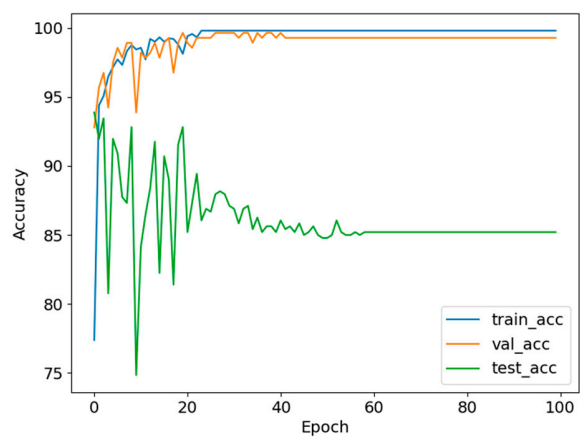*Figure S4: ROC curve of Self-ResNet18_Q3 model*

Self-ResNet18_Q5 Model

Table S3: Fold-wise learning curves of the Self-ResNet18_Q5 model

Fold	Accuracy Curve	Loss Curve
1		
2		
3		

4		
5		

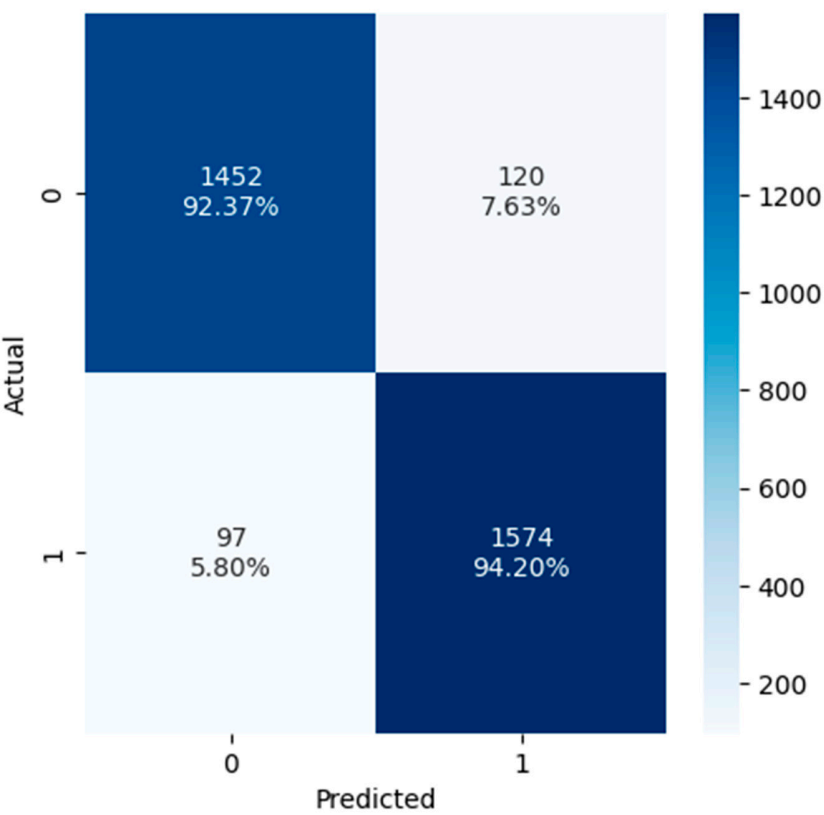The confusion matrix of Self-ResNet18_Q5 model is given in Figure 5.

Figure S5: Confusion matrix of Self-ResNet18_Q5 model

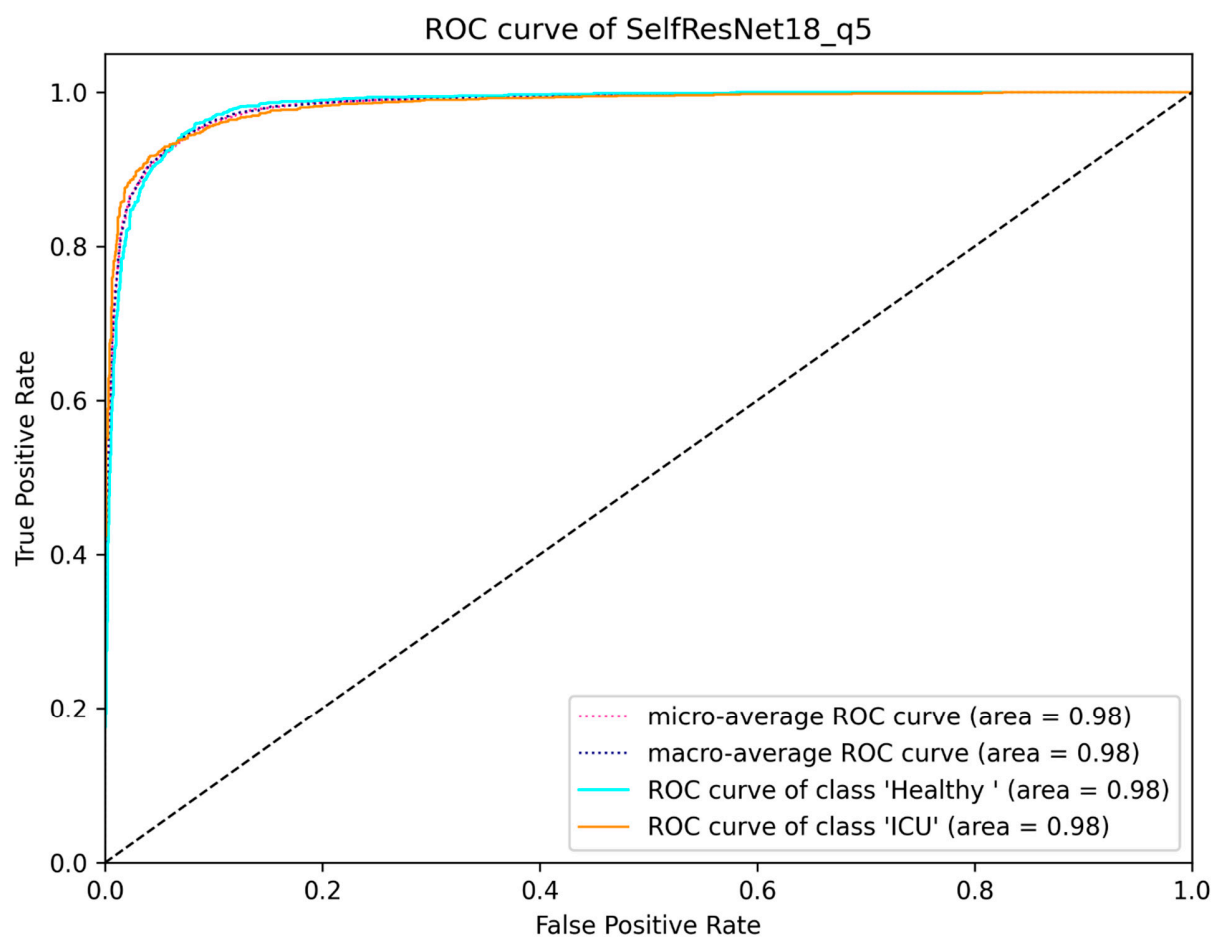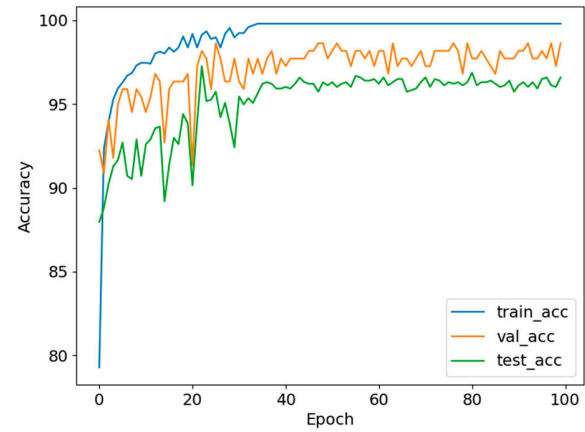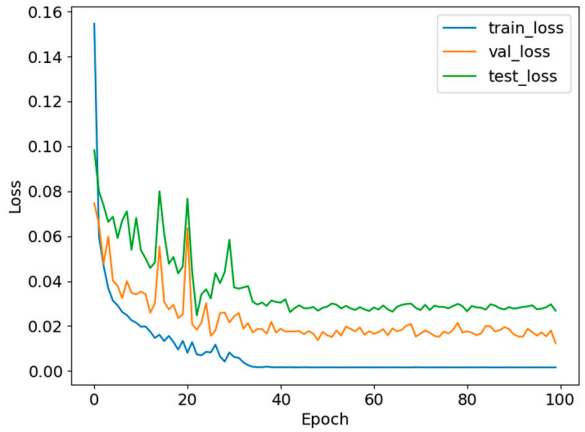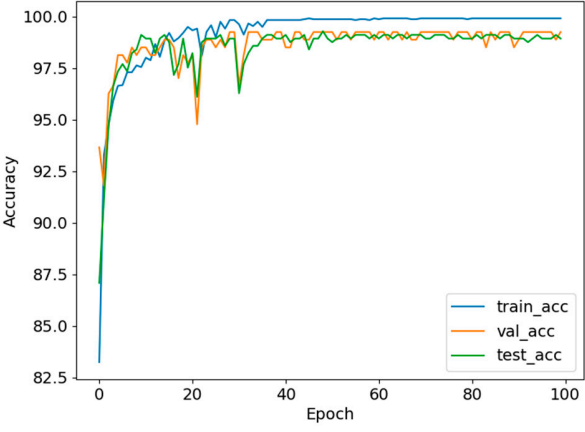The ROC curve of Self-ResNet18_Q5 model is given in Figure 6 below.

ROC curve of SelfResNet18_q5

Legend:
- micro-average ROC curve (area = 0.98)
- macro-average ROC curve (area = 0.98)
- ROC curve of class 'Healthy ' (area = 0.98)
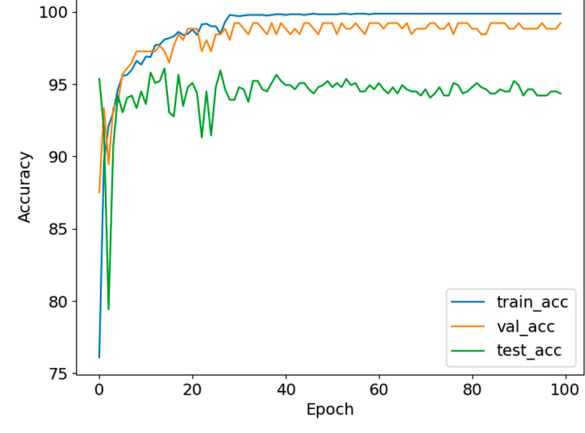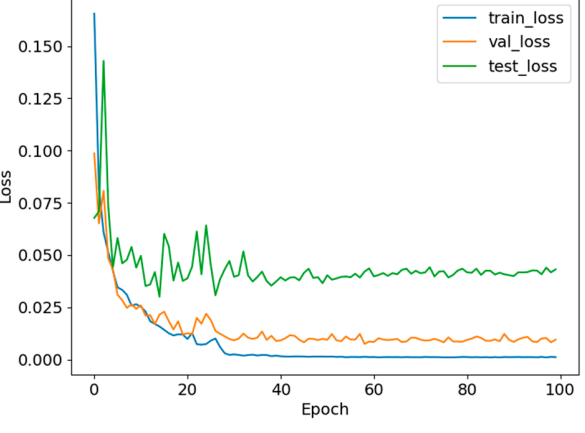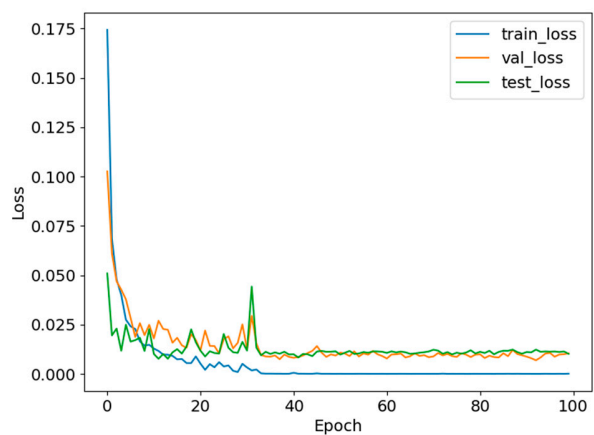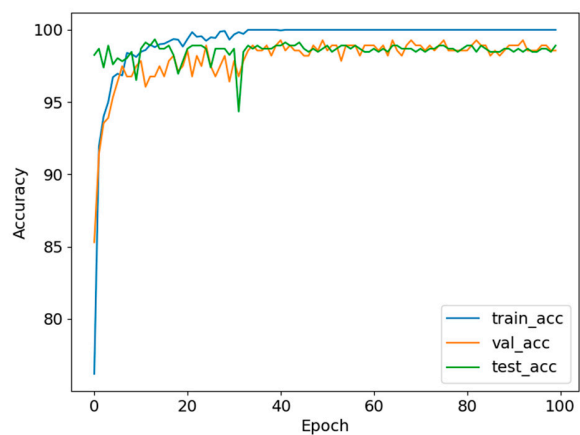- ROC curve of class 'ICU' (area = 0.98)
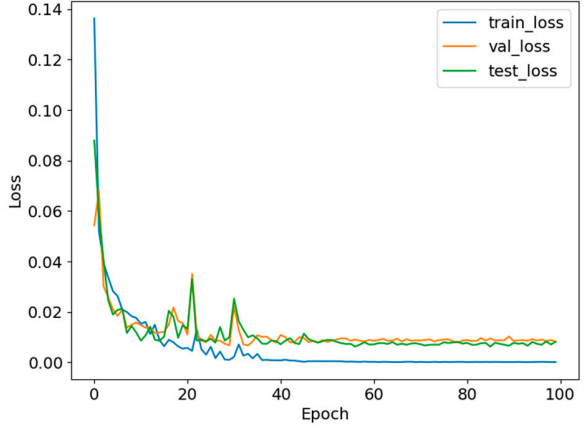
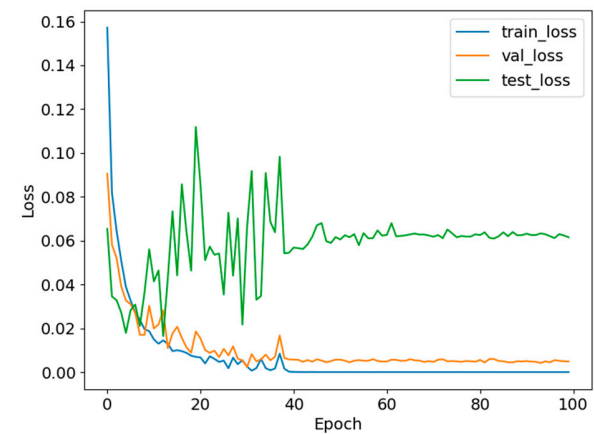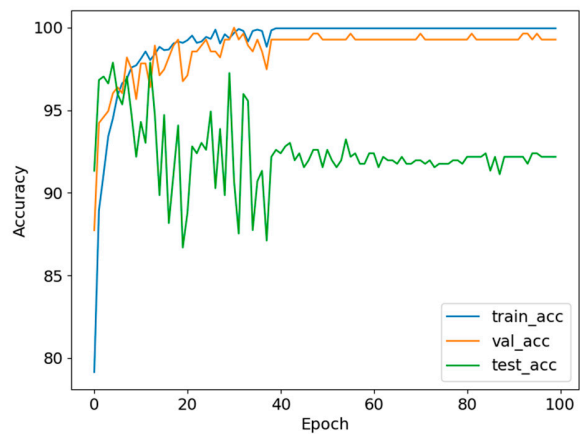*Figure S6: ROC curve of Self-ResNet18_Q5 model*

Self-ResAttentioNet18_Q1 Model

Table S4: Fold-wise learning curves of the Self-ResAttentionNet18_Q1 model

Fold	Accuracy Curve	Loss Curve
1		
2		
3		

4		
5		

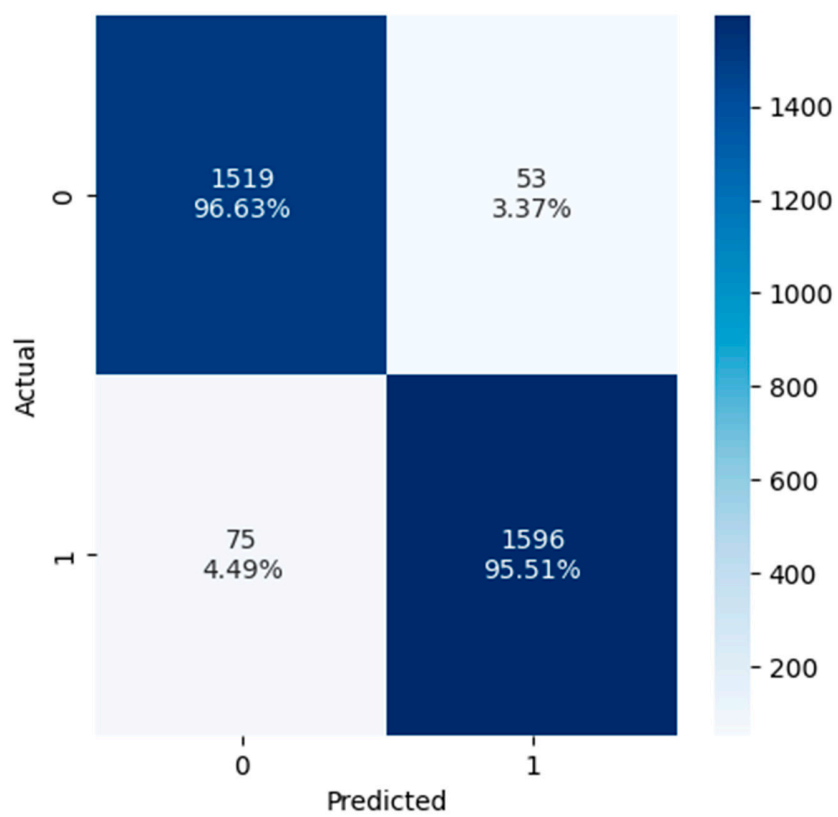The confusion matrix of Self-ResAttentioNet18_Q1 model is given in Figure 7.

Figure S7: Confusion matrix of Self-ResAttentioNet18_Q1 model

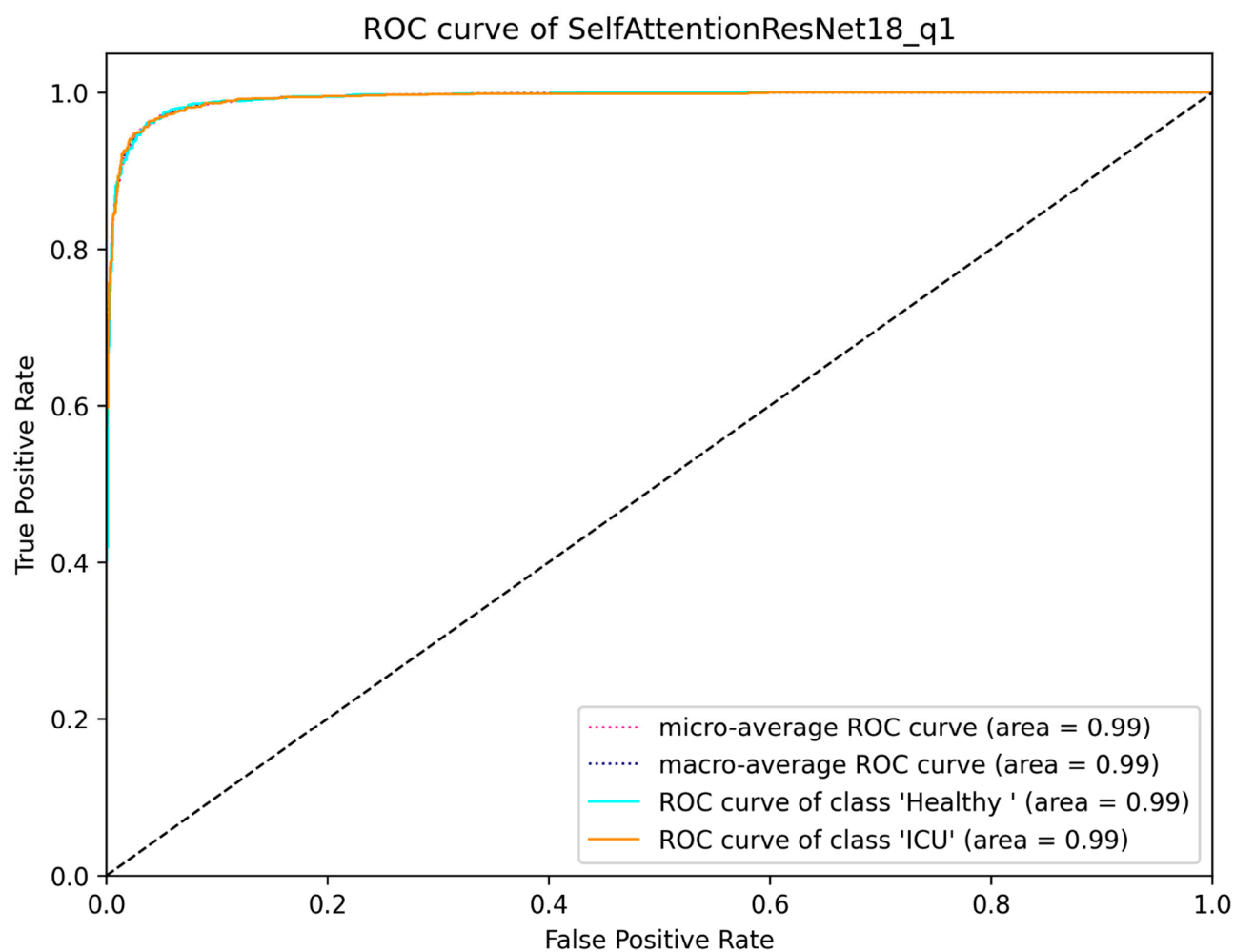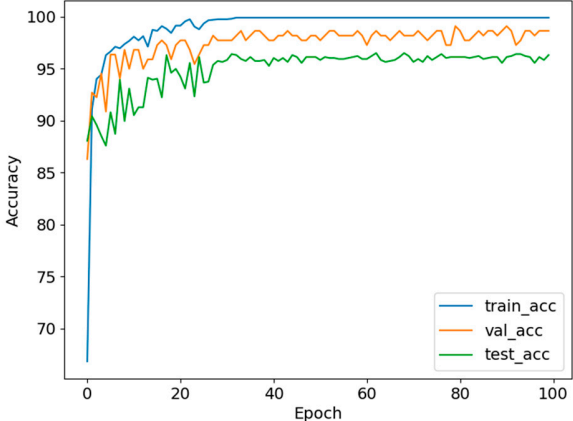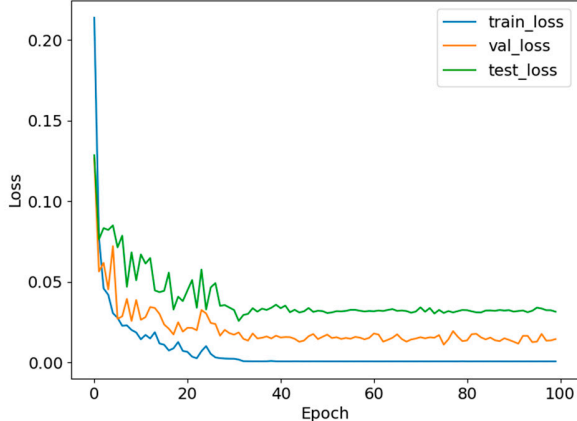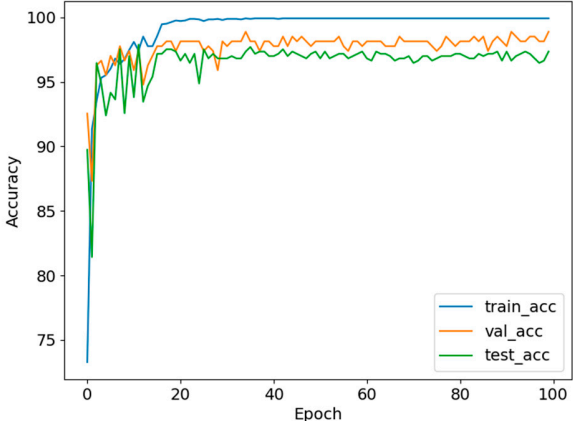The ROC curve of Self-ResAttentioNet18_Q1 model is given in Figure 8 below.
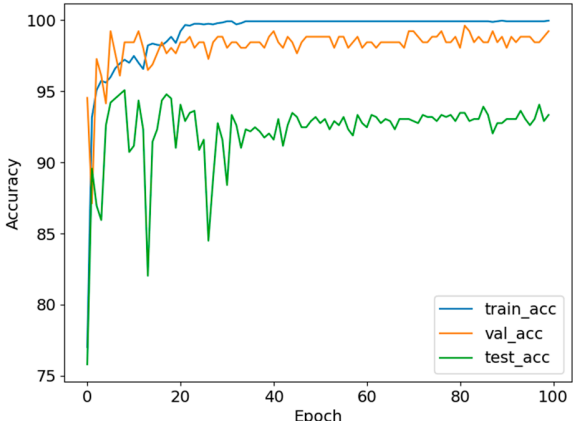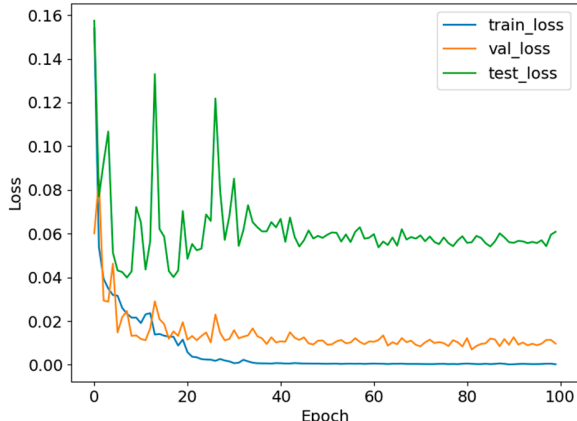

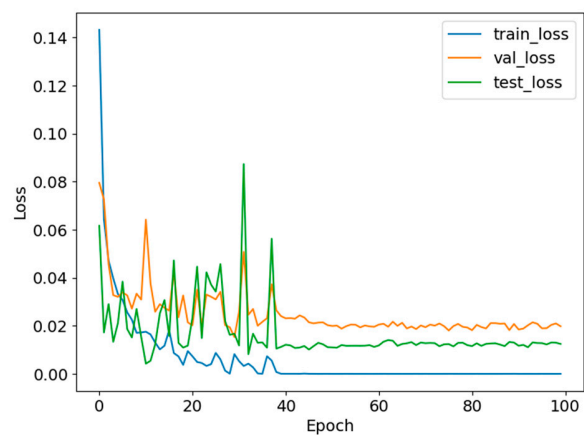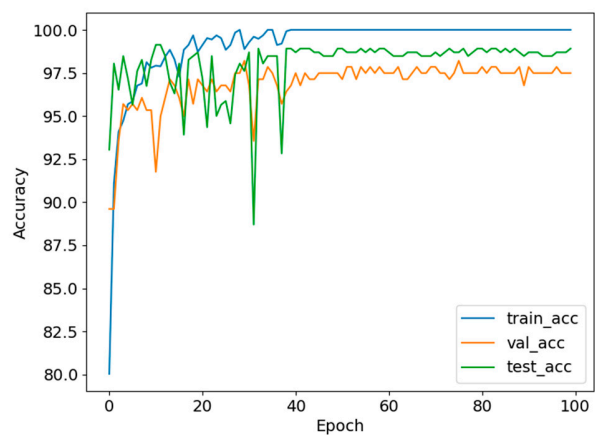ROC curve of SelfAttentionResNet18_q1
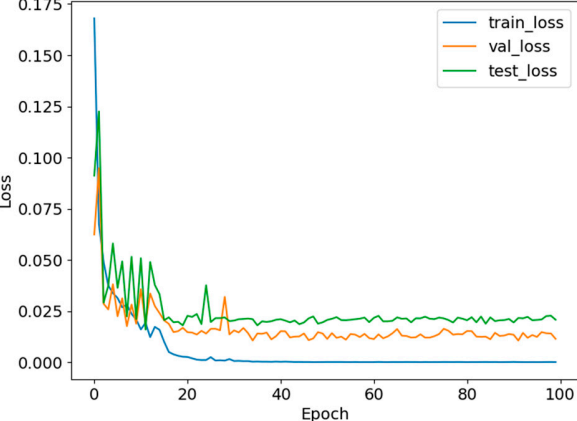
Figure S8: ROC curve of Self-ResAttentioNet18_Q1 model
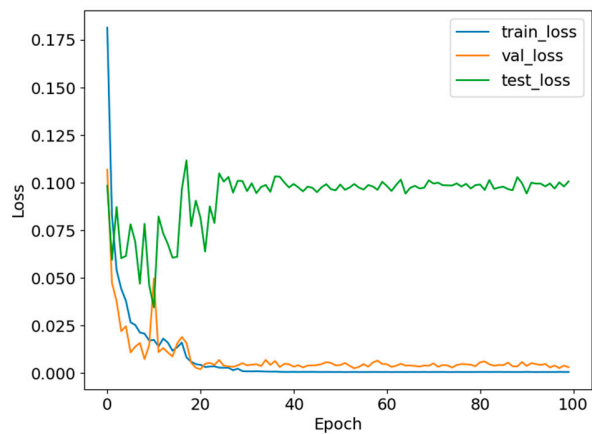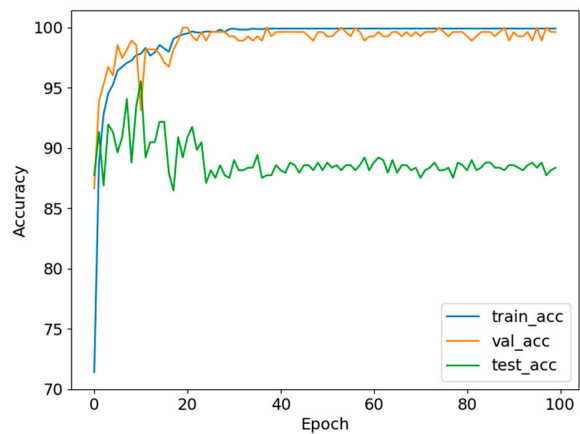
Self-ResAttentioNet18_Q3 Model

Table S5: Fold-wise learning curves of the Self-ResAttentionNet18_Q3 model

Fold	Accuracy Curve	Loss Curve
1		
2		
3		

4		
5		

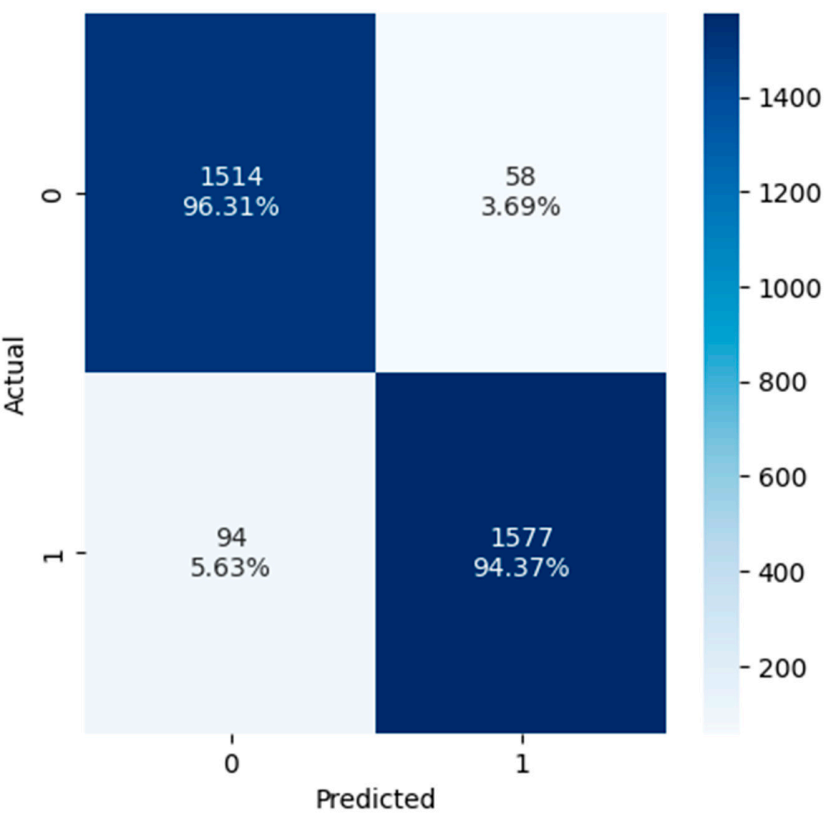The confusion matrix of Self-ResAttentioNet18_Q3 model is given in Figure 9.

Figure S9: Confusion matrix of Self-ResAttentioNet18_Q3 model

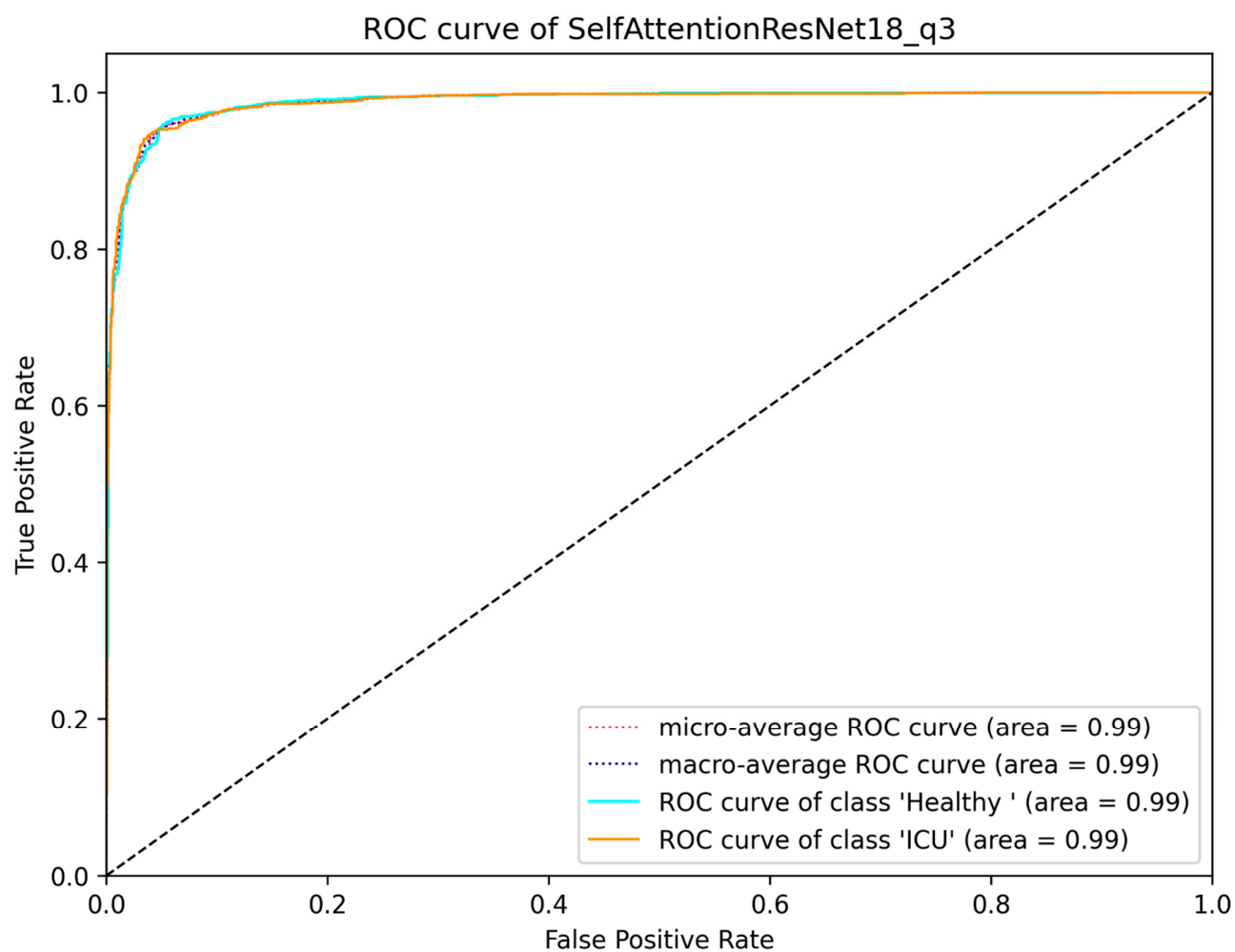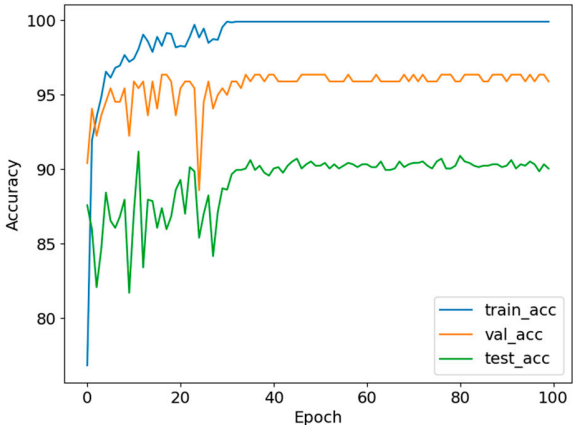The ROC curve of Self-ResAttentioNet18_Q3 model is given in Figure 10 below.

ROC curve of SelfAttentionResNet18_q3

Legend:
- micro-average ROC curve (area = 0.99)
- macro-average ROC curve (area = 0.99)
- ROC curve of class 'Healthy ' (area = 0.99)
- ROC curve of class 'ICU' (area = 0.99)

X-axis: False Positive Rate
Y-axis: True Positive Rate
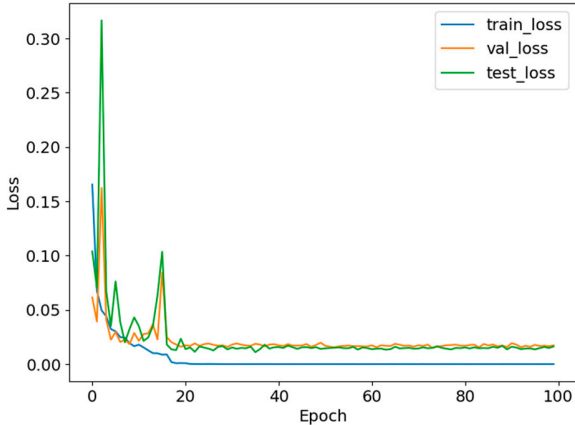
Figure S10: ROC curve of Self-ResAttentioNet18_Q3 model

Self-ResAttentioNet18_Q5 Model

Table S6: Fold-wise learning curves of the Self-ResAttentionNet18_Q5 model

Fold	Accuracy Curve	Loss Curve
1		
2		
3		

4		
5		

The confusion matrix of Self-ResAttentioNet18_Q5 model is given in Figure 11.

Figure S11: Confusion matrix of Self-ResAttentioNet18_Q5 model

The ROC curve of Self-ResAttentioNet18_Q5 model is given in Figure 12 below.

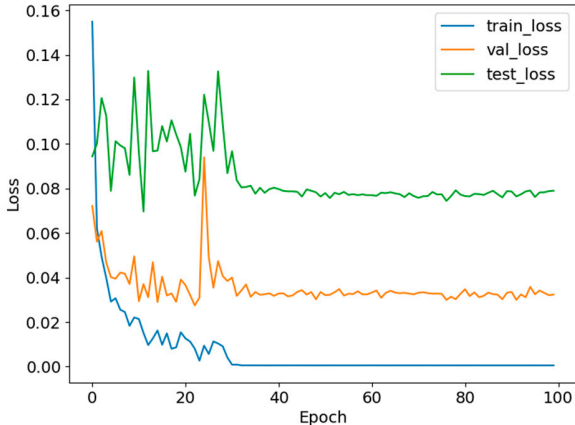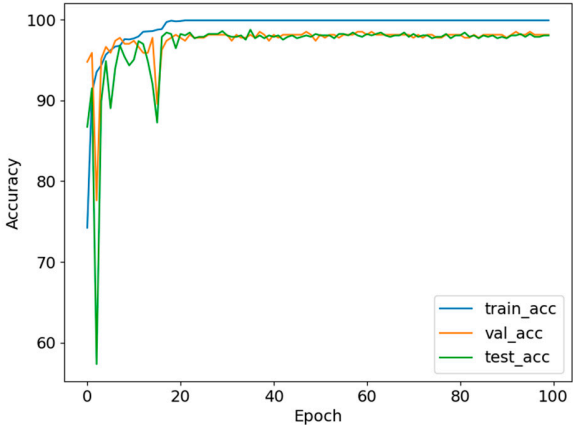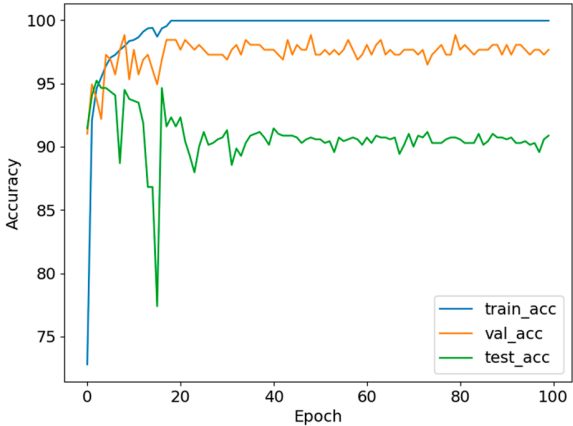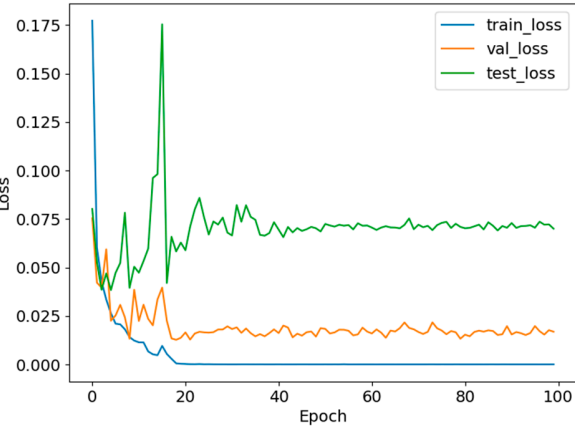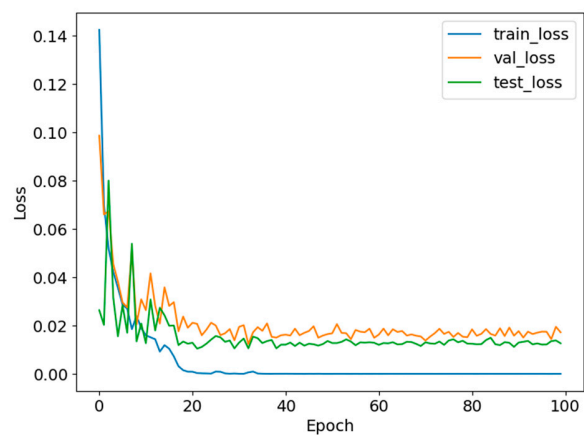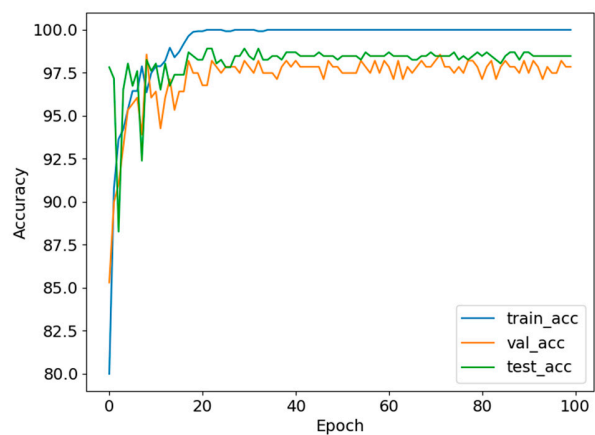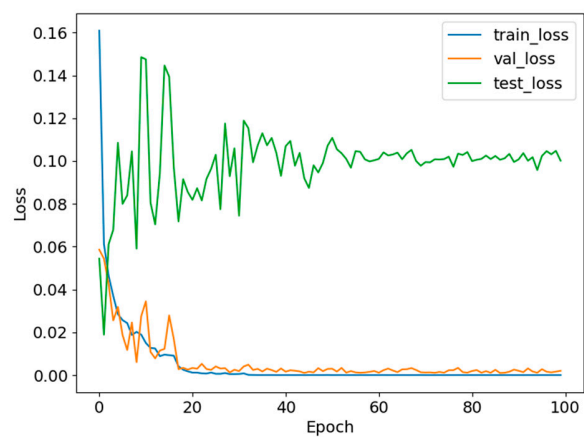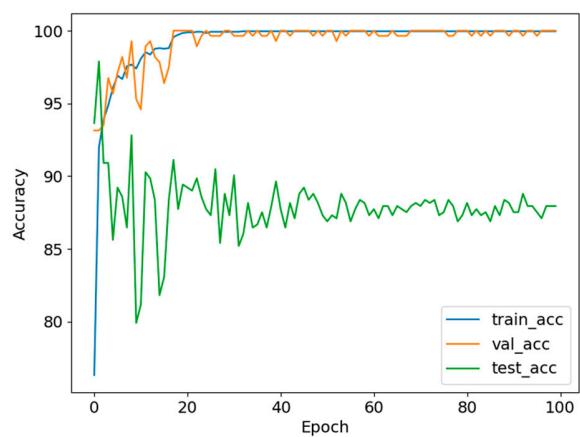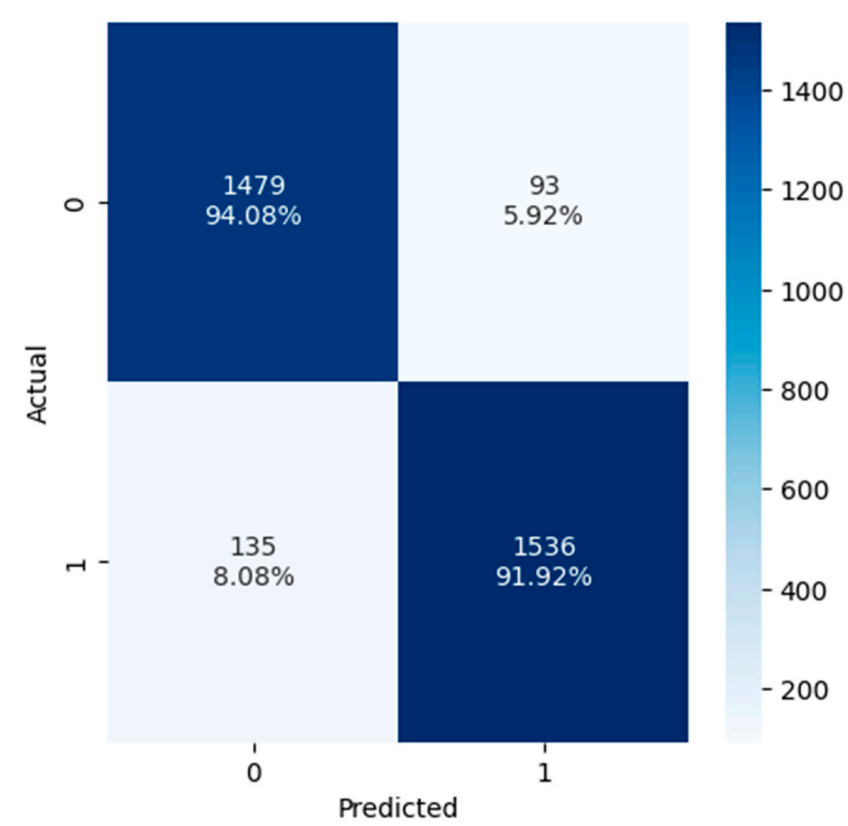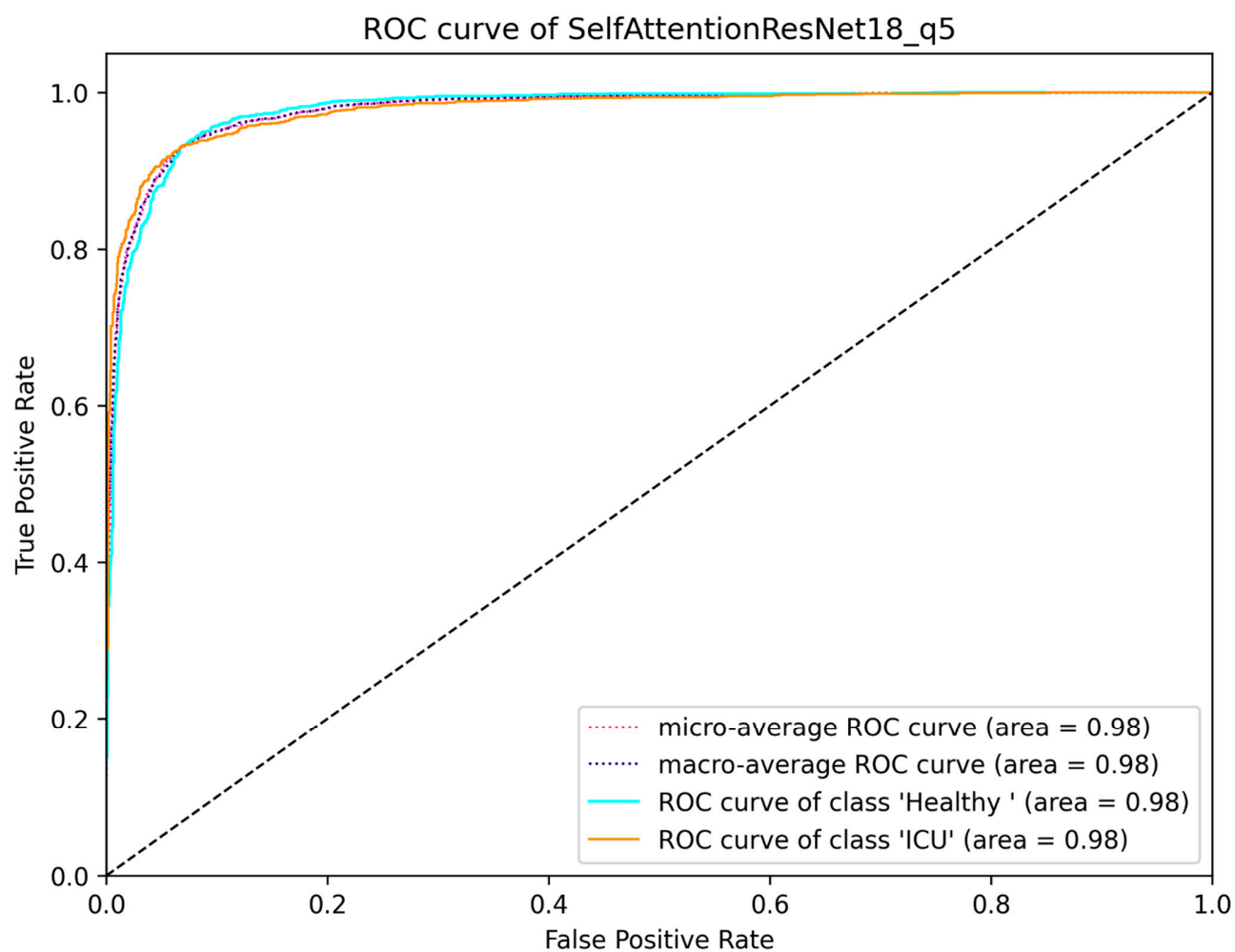
Figure S12: ROC curve of Self-ResAttentioNet18_Q5 model