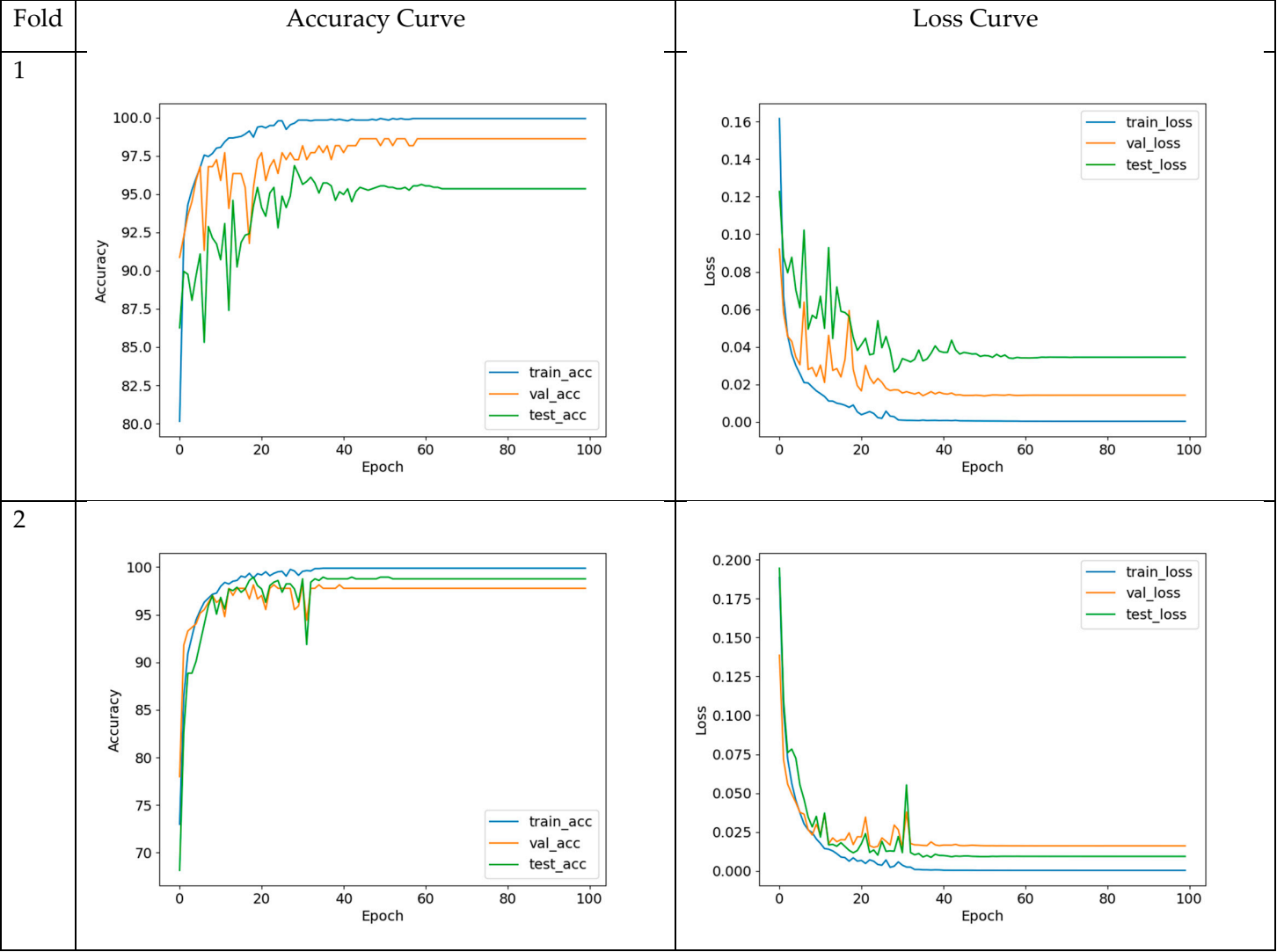


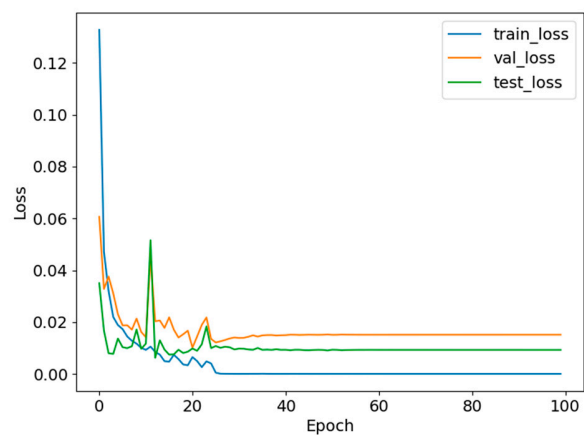
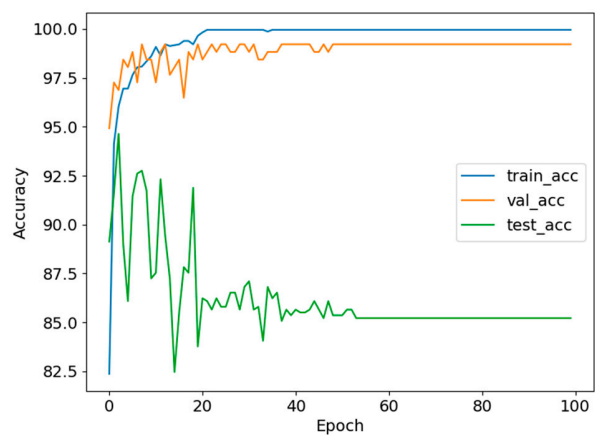
Supplementary Materials

Self-ResNet18_Q1 Model

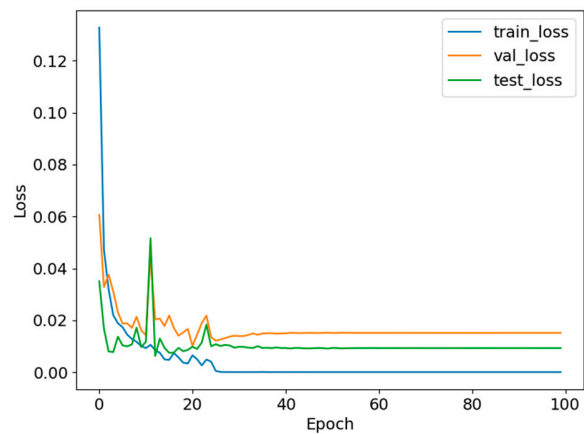
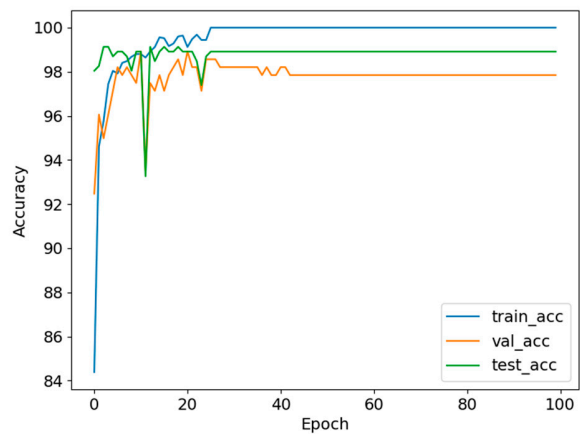
Table S1: Fold-wise learning curves of the Self-ResNet18_Q1 model



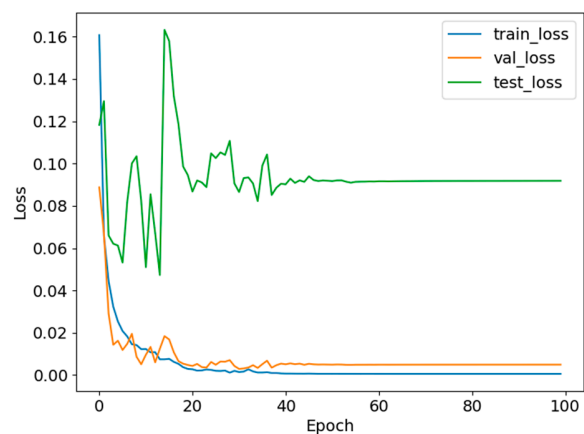
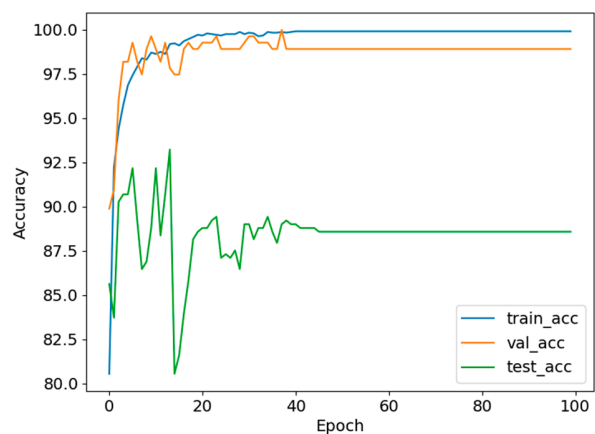
3



4



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

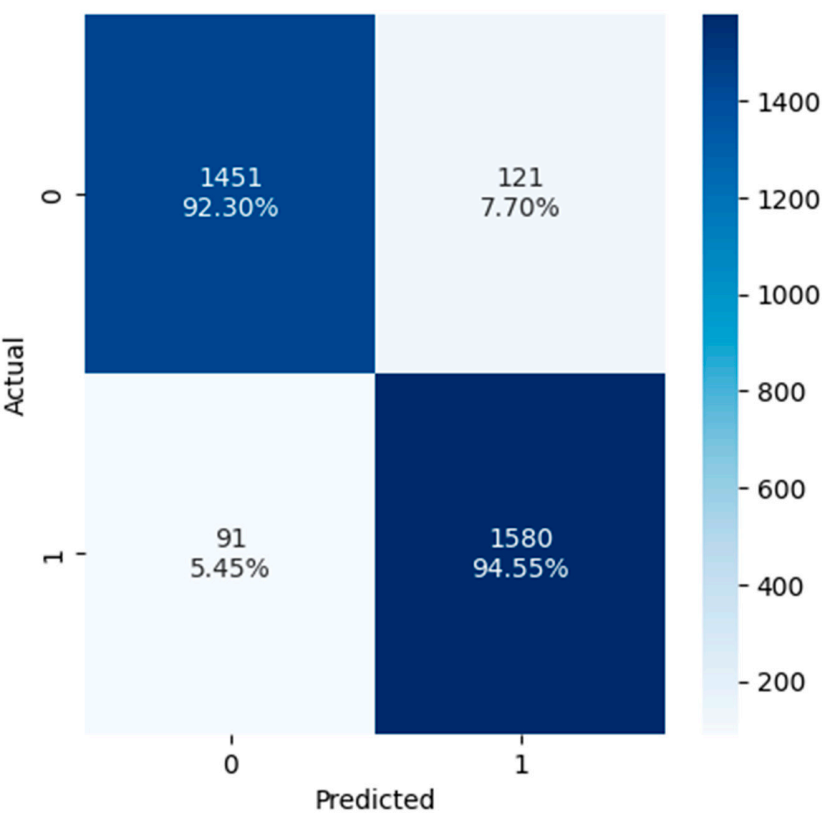


Figure S1: Confusion matrix for Self-ResNet18_Q1 model

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

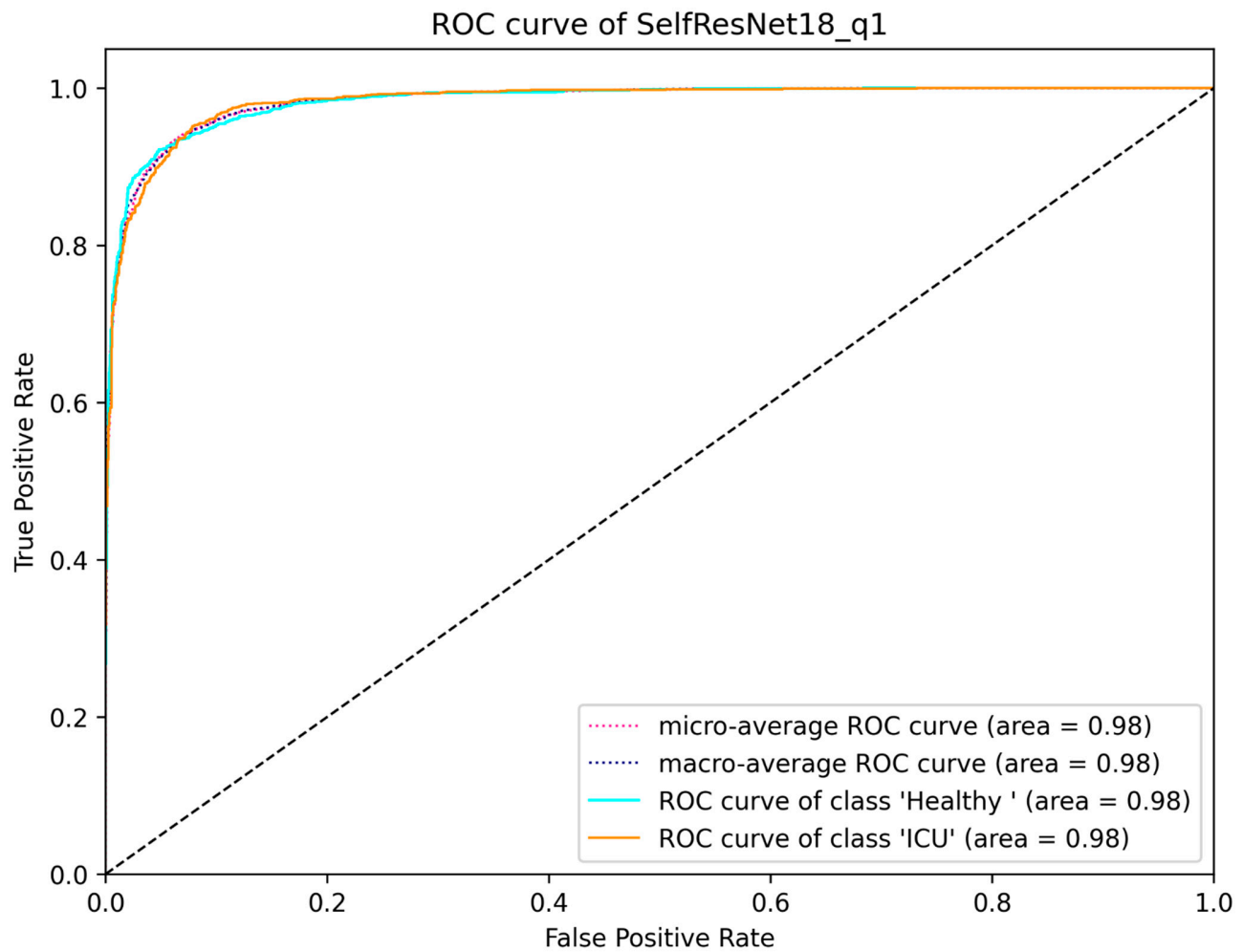
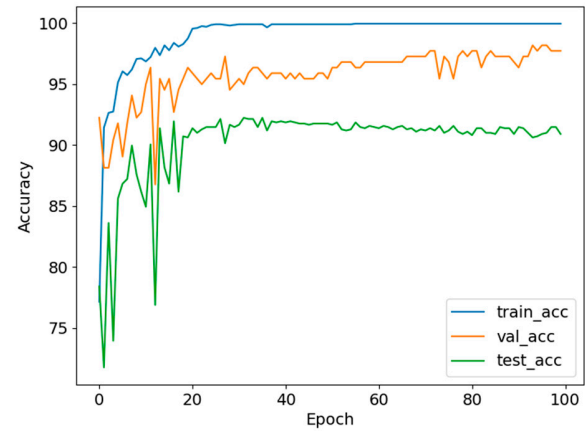
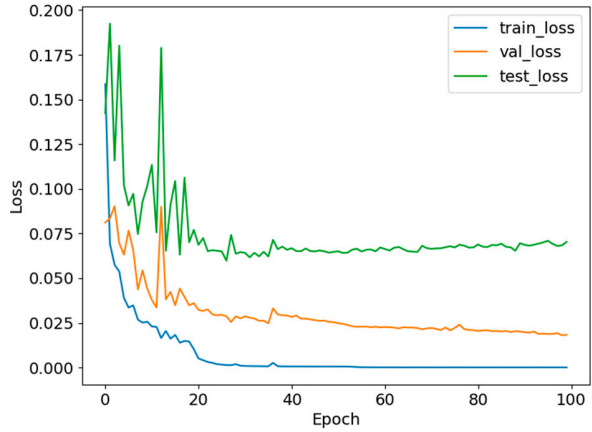
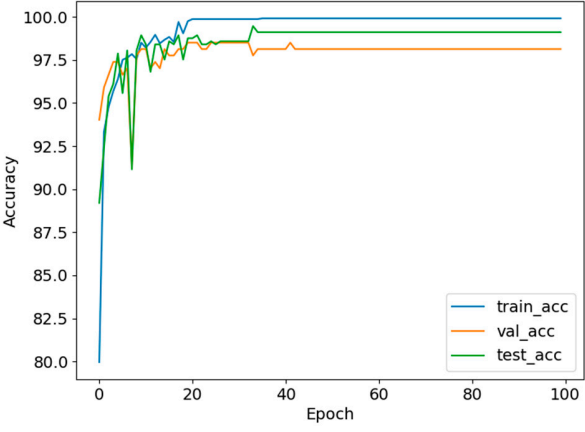
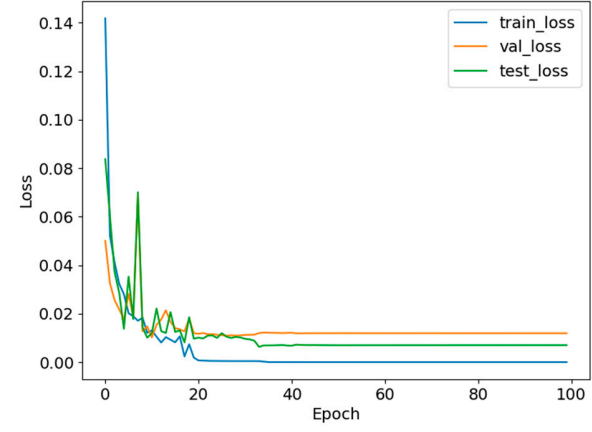
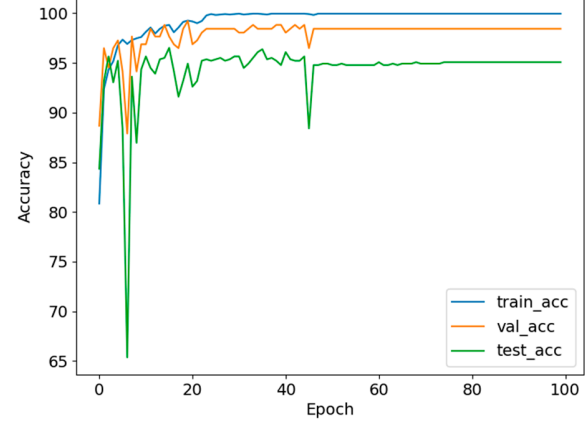
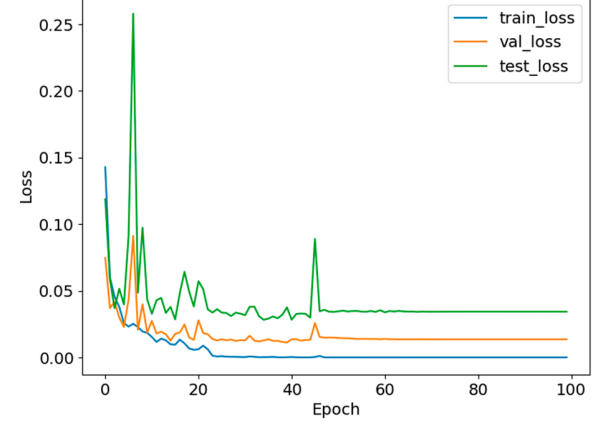


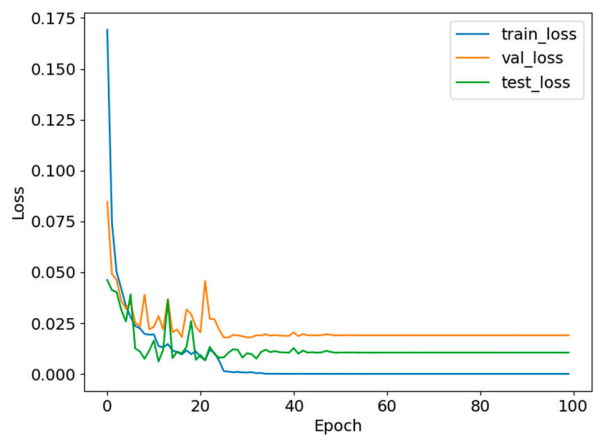
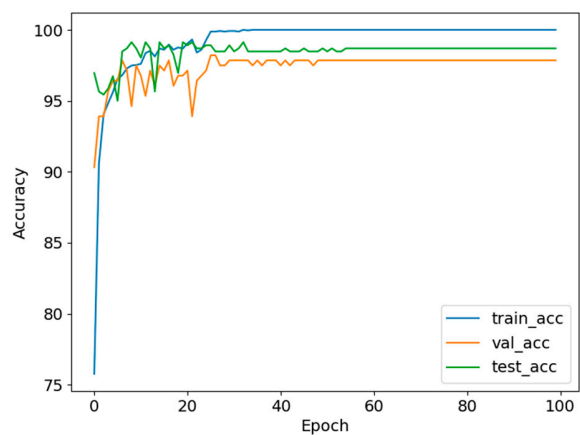
Figure S2: ROC curve of Self-ResNet18_Q1 model

Self-ResNet18_Q3 Model

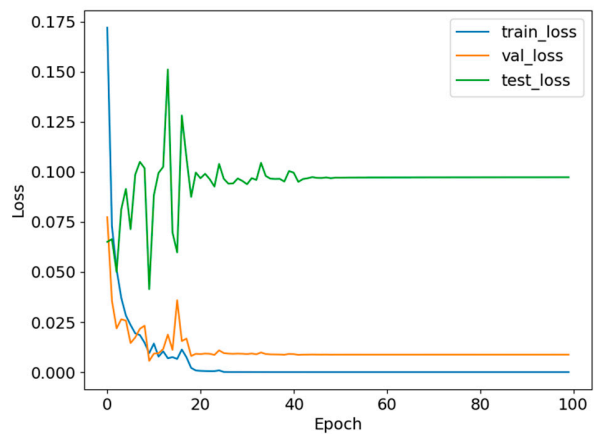
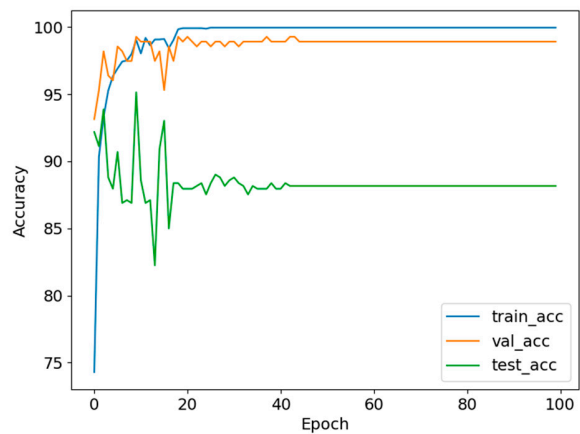
Table S2: Fold-wise learning curves of the Self-ResNet18_Q3 model

Fold	Accuracy Curve	Loss Curve
1		
2		
3		

4



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

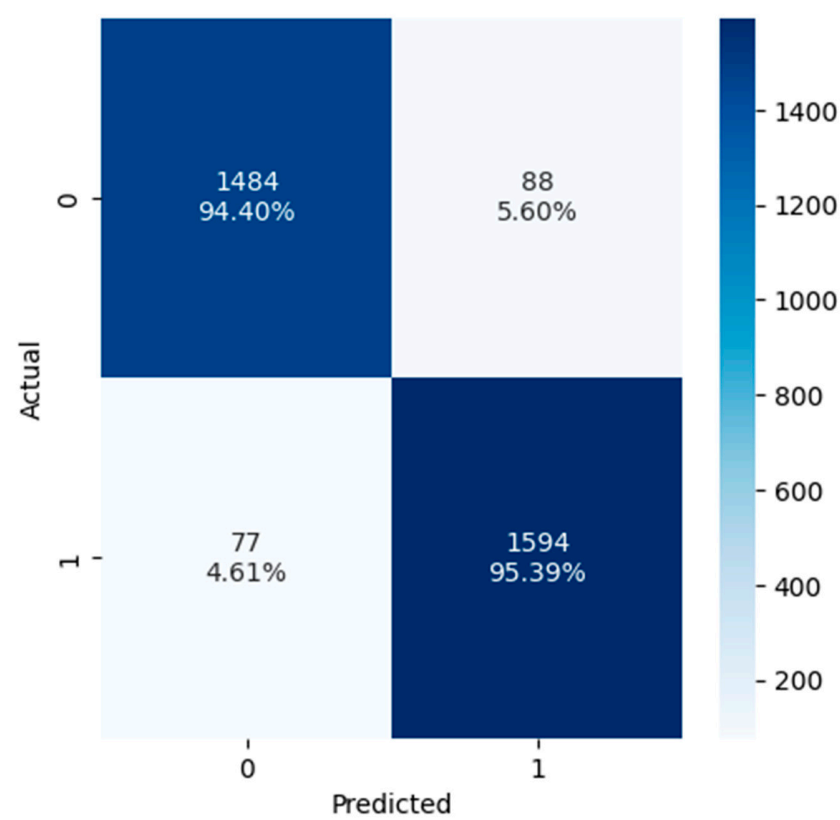


Figure S3: Confusion matrix for Self-ResNet18_Q3 model

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

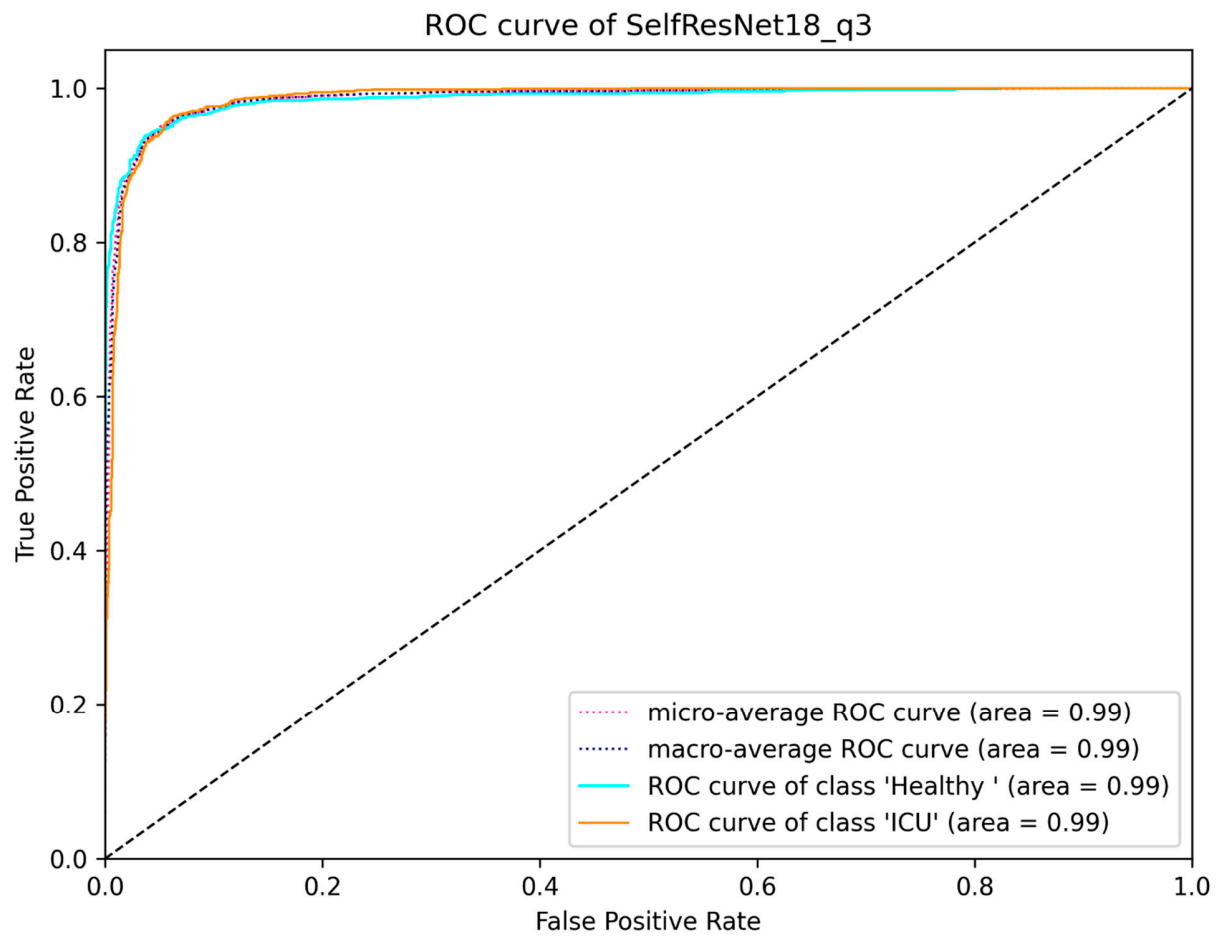
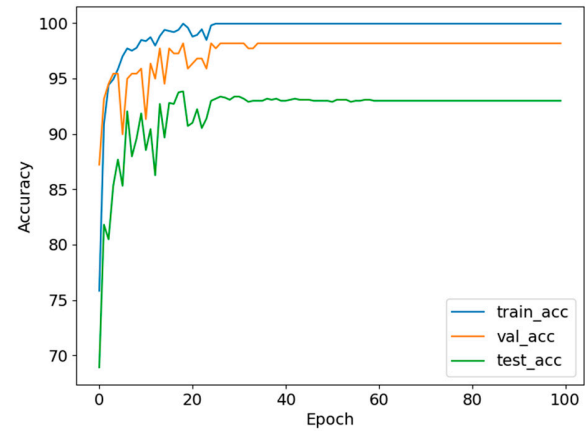
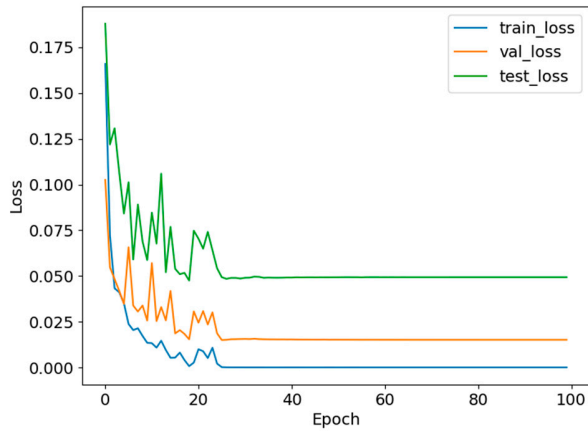
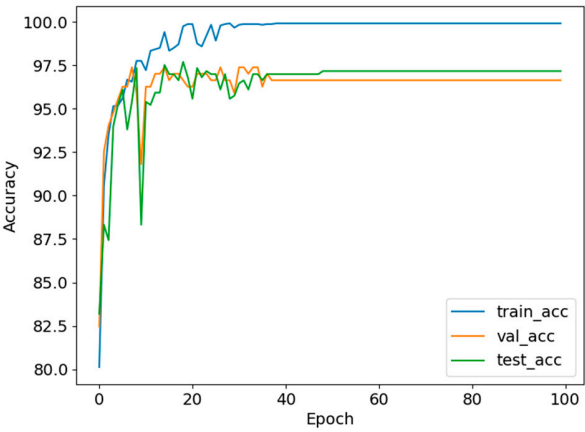
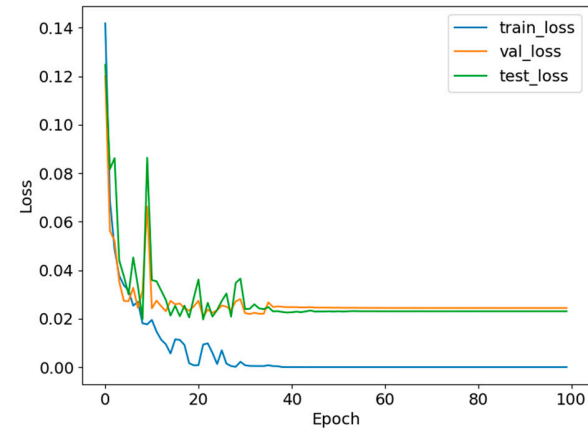
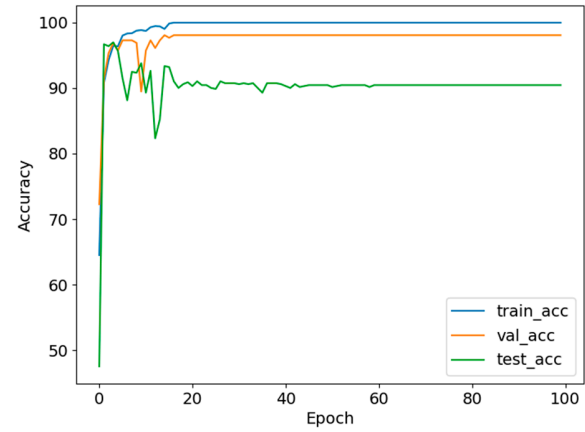
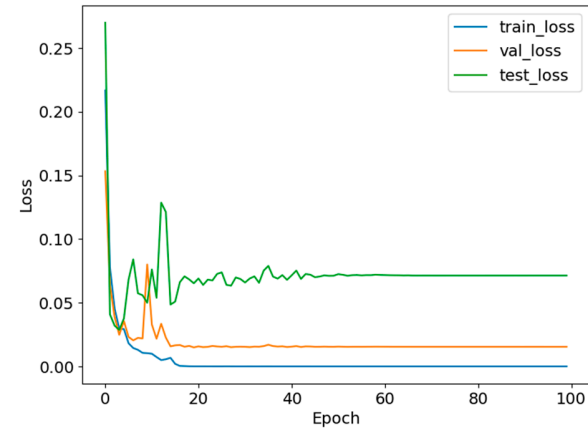


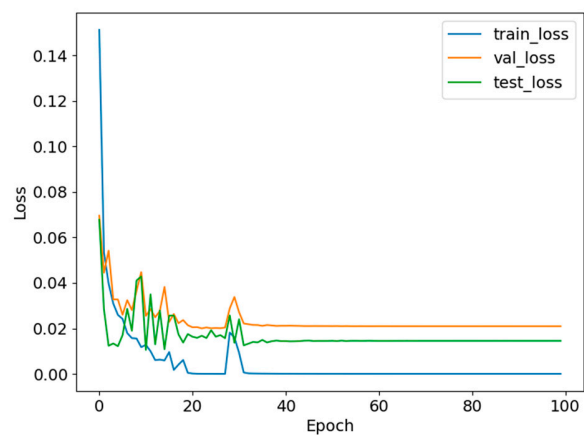
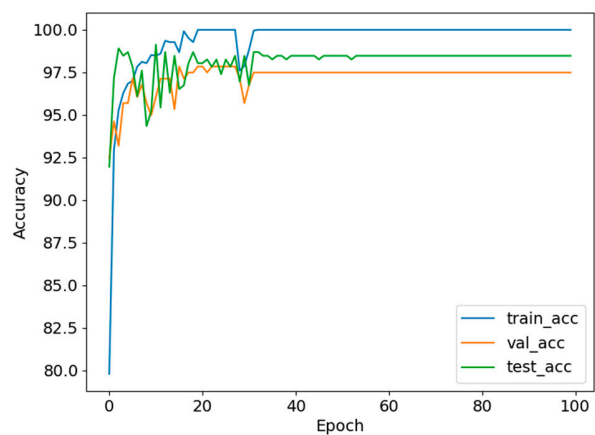
Figure S4: ROC curve of Self-ResNet18_Q3 model

Self-ResNet18_Q5 Model

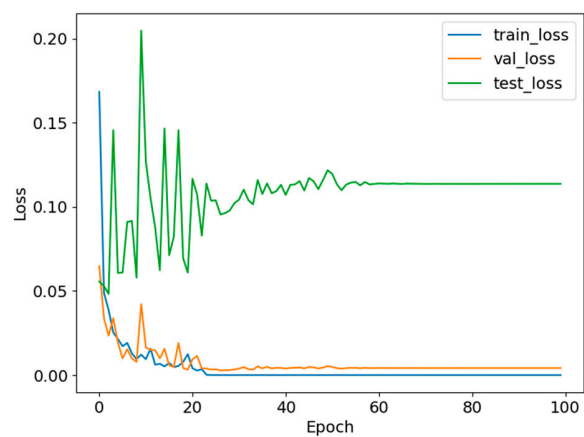
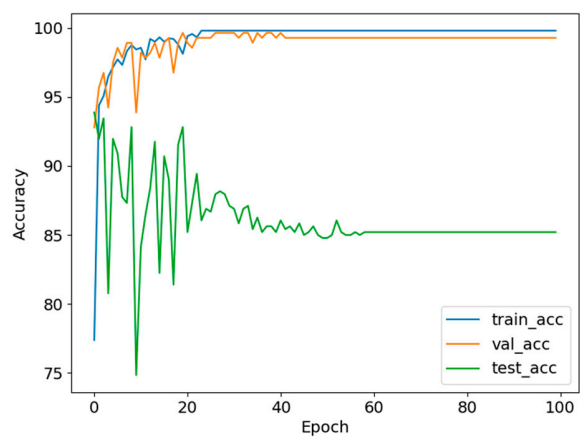
Table S3: Fold-wise learning curves of the Self-ResNet18_Q5 model

Fold	Accuracy Curve	Loss Curve
1		
2		
3		

4



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

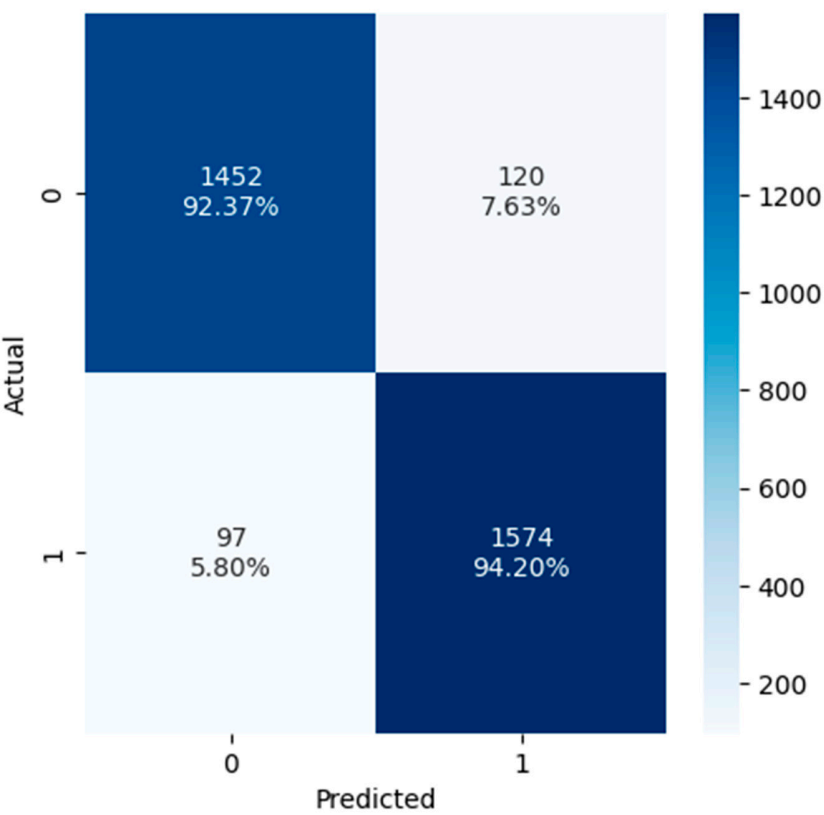


Figure S5: Confusion matrix of Self-ResNet18_Q5 model

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

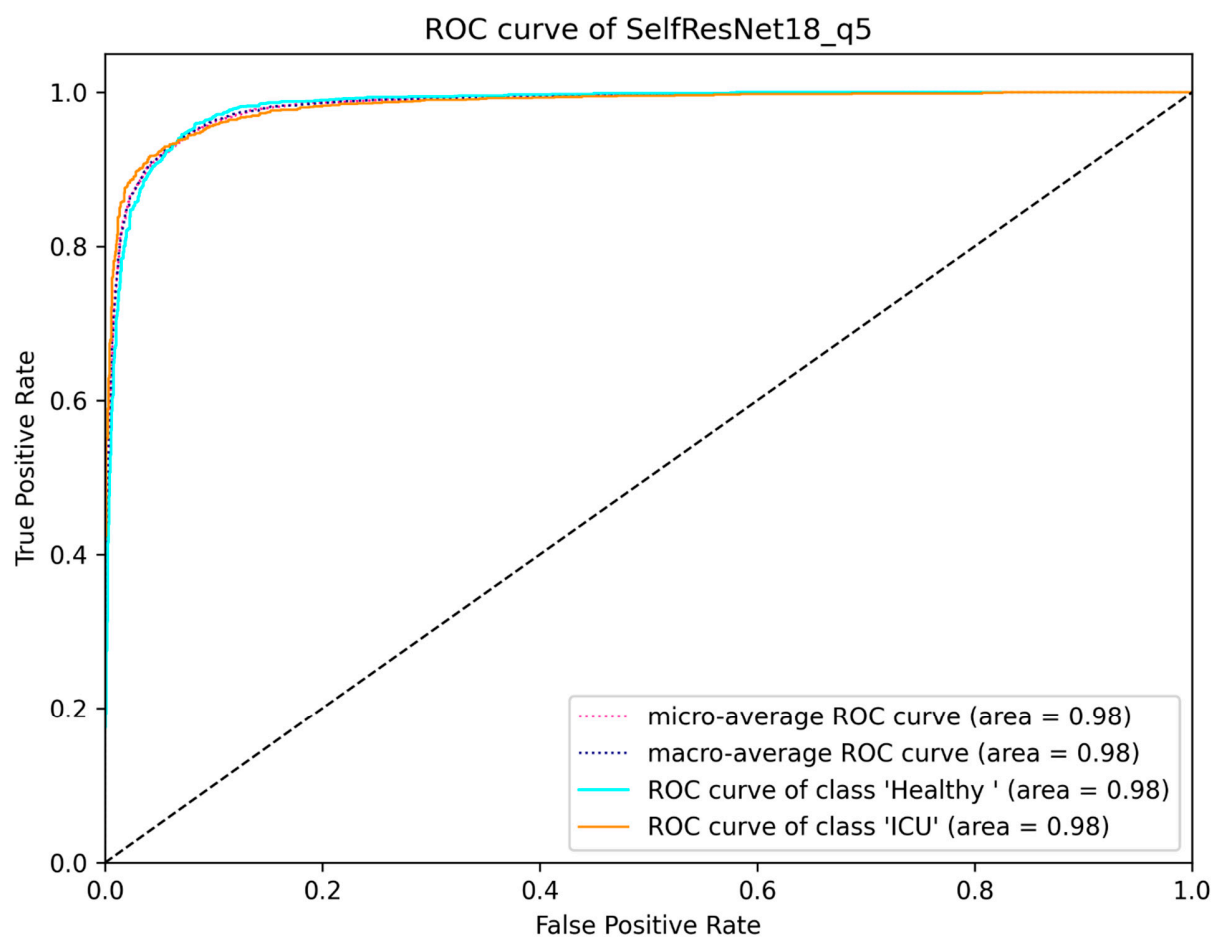
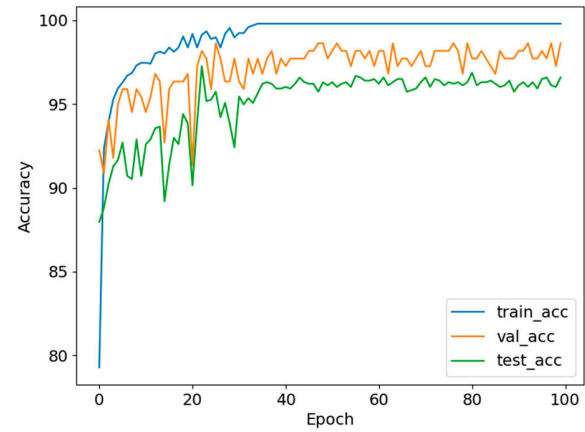
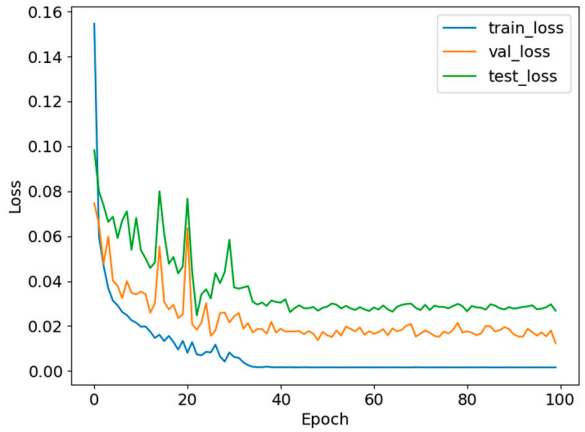
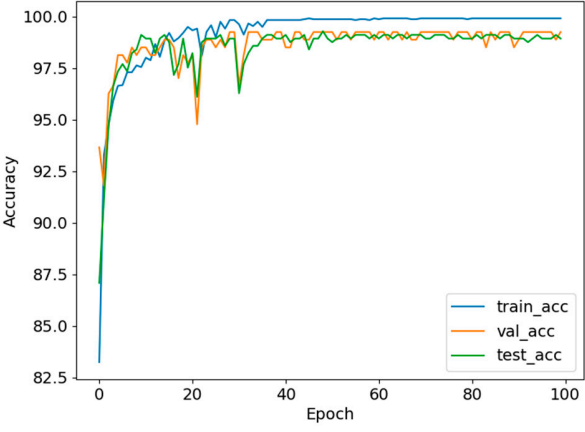
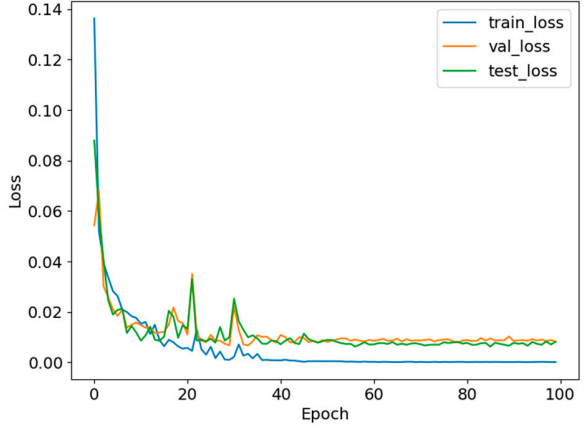
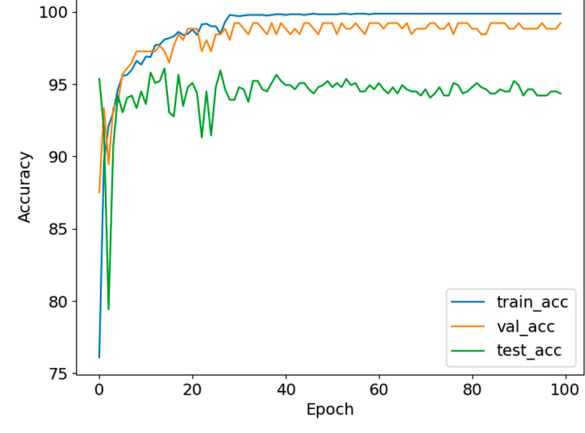
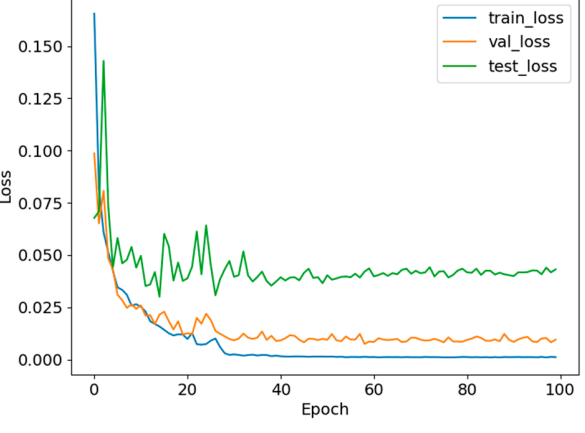


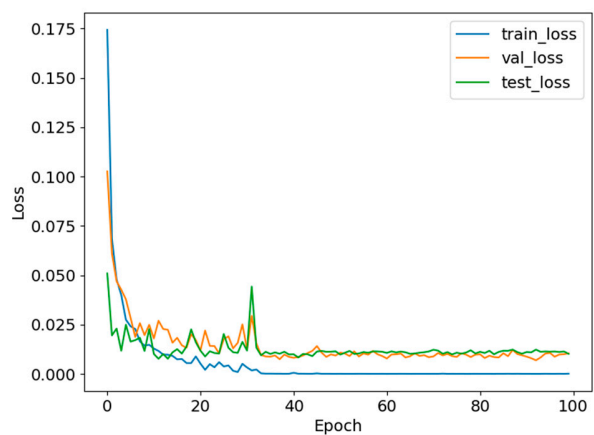
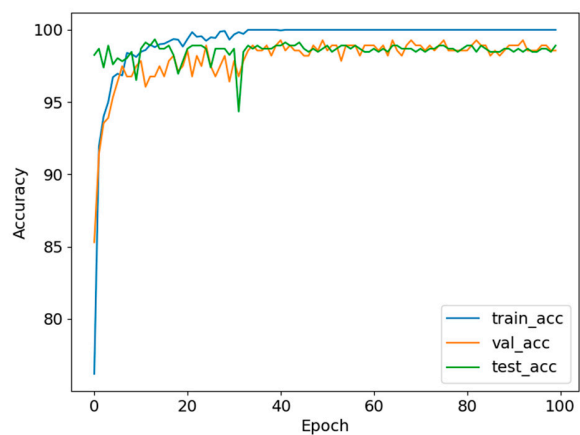
Figure S6: ROC curve of Self-ResNet18_Q5 model

Self-ResAttentionNet18_Q1 Model

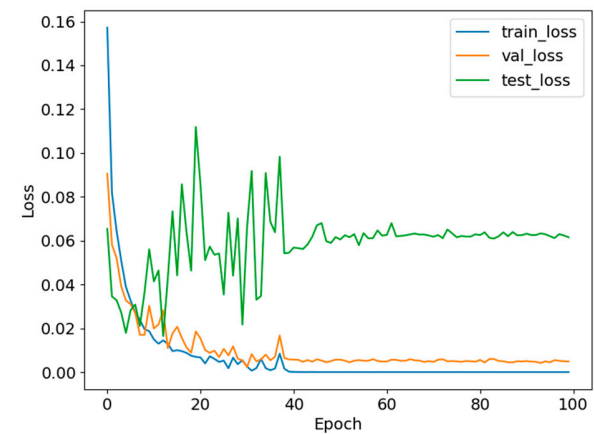
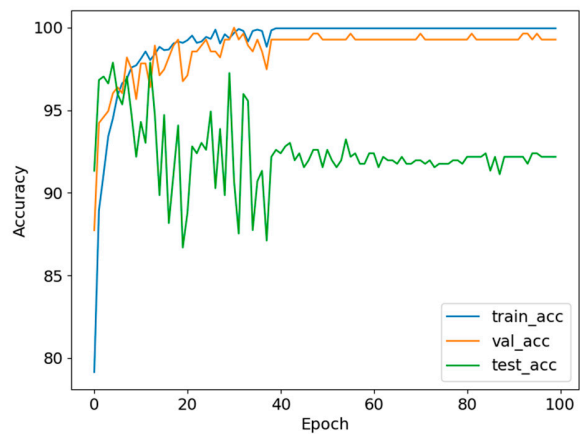
Table S4: Fold-wise learning curves of the Self-ResAttentionNet18_Q1 model

Fold	Accuracy Curve	Loss Curve
1		
2		
3		

4



5



The confusion matrix of Self-ResAttentionNet18_Q1 model is given in Figure 7.

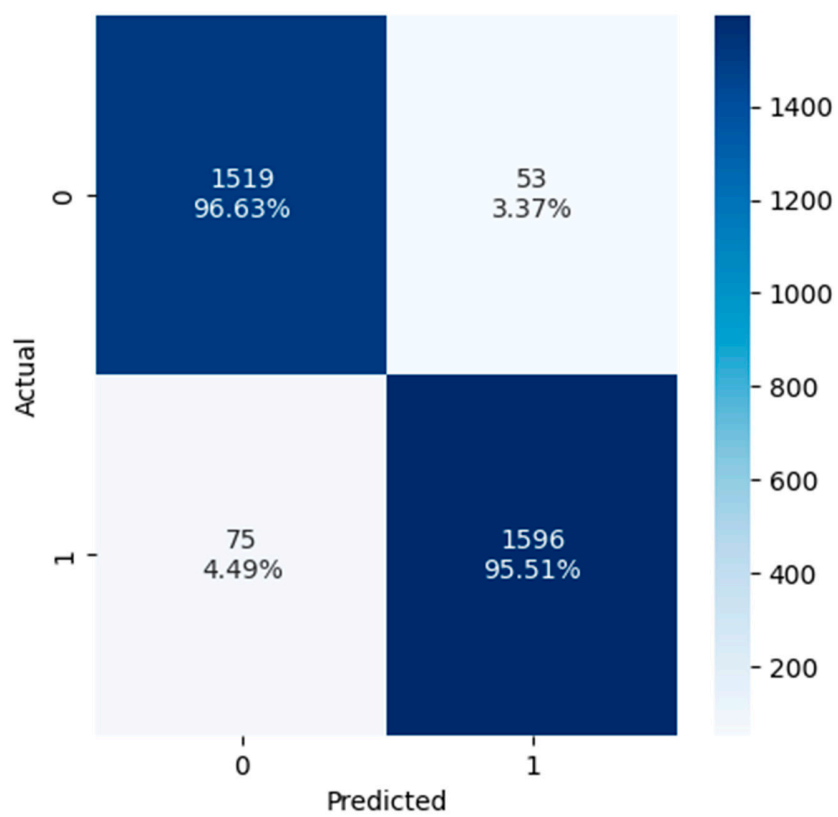


Figure S7: Confusion matrix of Self-ResAttentionNet18_Q1 model

The ROC curve of Self-ResAttentionNet18_Q1 model is given in Figure 8 below.

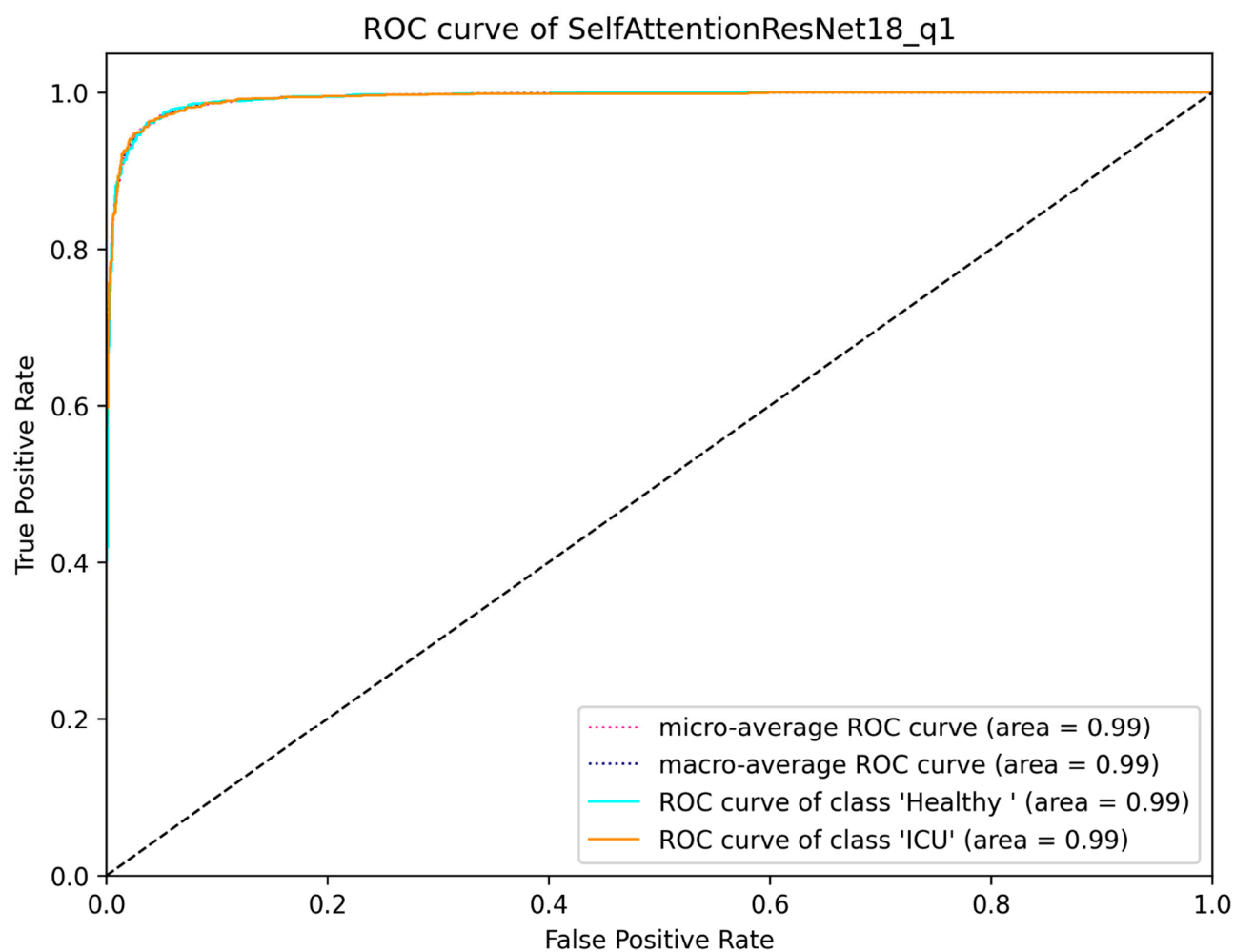
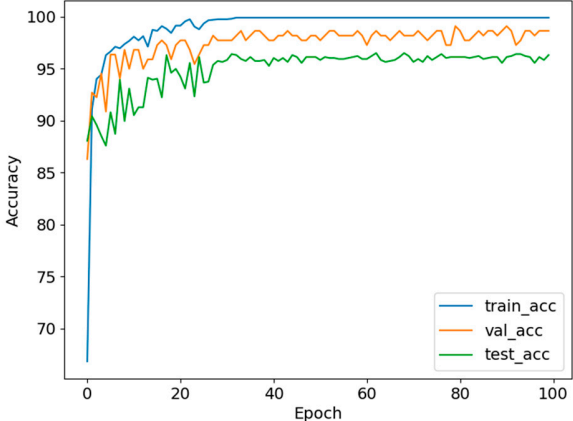
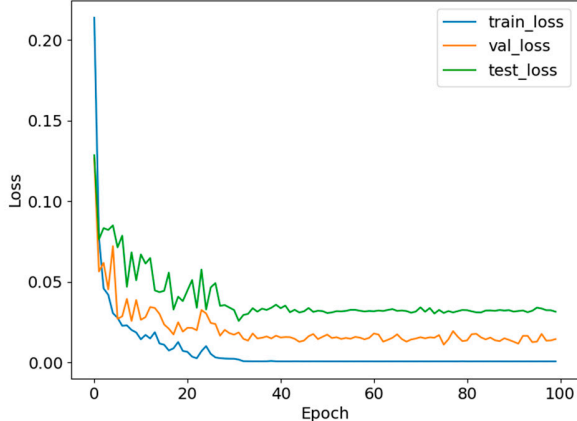
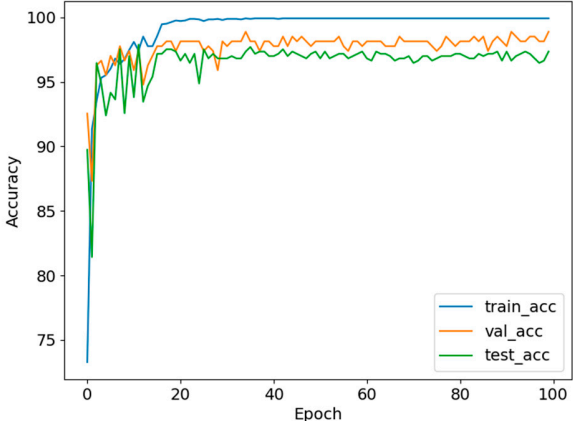
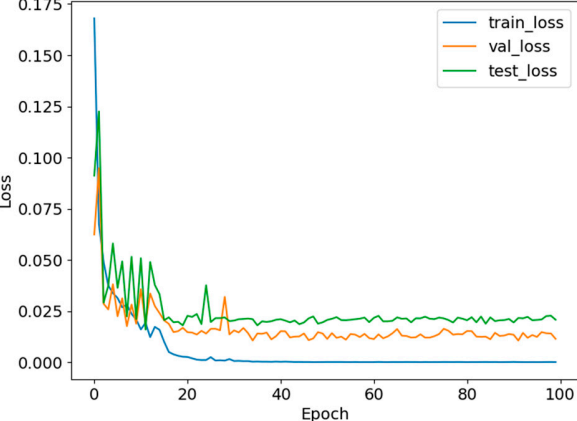
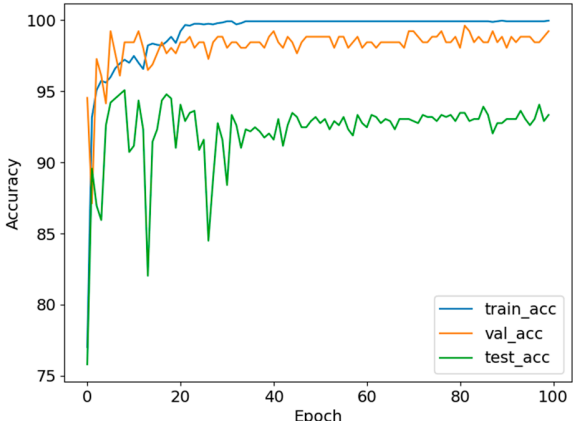
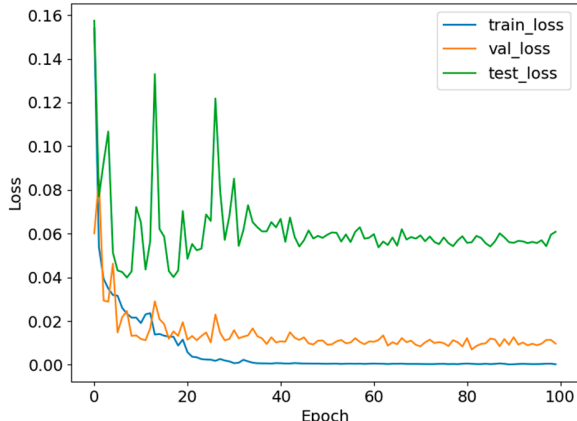


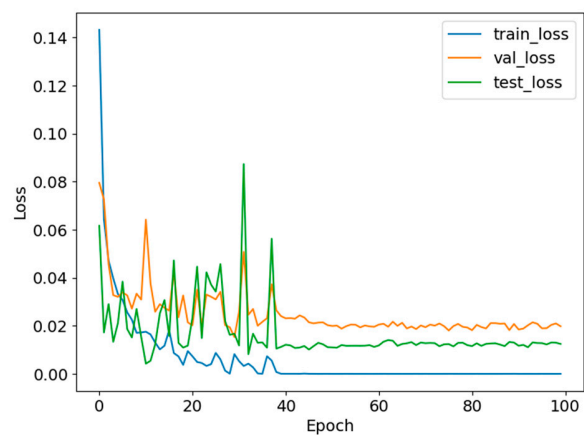
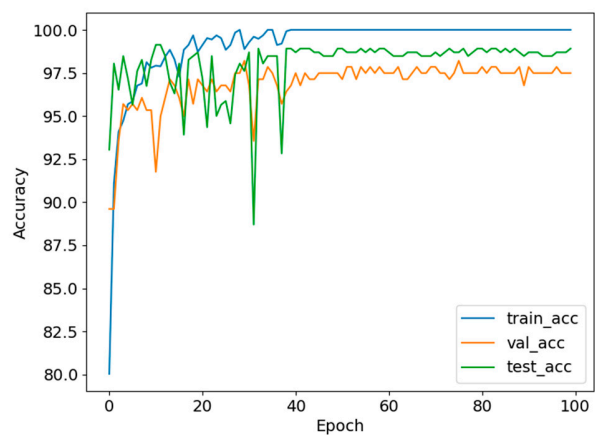
Figure S8: ROC curve of Self-ResAttentionNet18_Q1 model

Self-ResAttentionNet18_Q3 Model

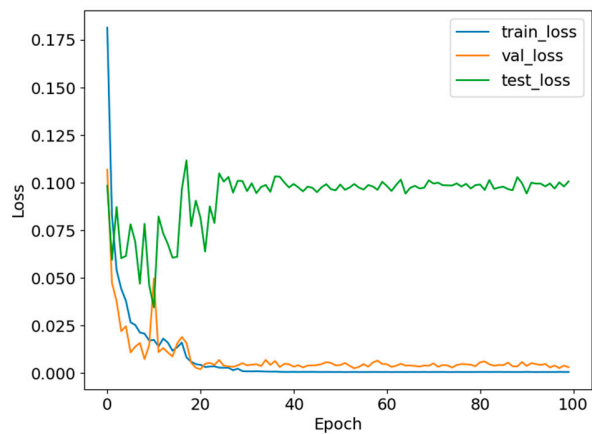
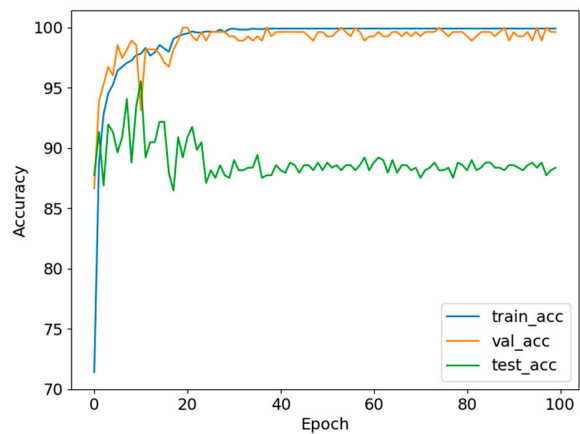
Table S5: Fold-wise learning curves of the Self-ResAttentionNet18_Q3 model

Fold	Accuracy Curve	Loss Curve
1	 <p>This plot shows the accuracy of the model over 100 epochs for Fold 1. The x-axis is 'Epoch' (0 to 100) and the y-axis is 'Accuracy' (70 to 100). Three lines are plotted: train_acc (blue), val_acc (orange), and test_acc (green). All three curves start at approximately 70% accuracy at epoch 0. They all rise sharply, reaching a plateau around epoch 20. train_acc reaches nearly 100%, val_acc reaches approximately 98%, and test_acc reaches approximately 96%.</p>	 <p>This plot shows the loss of the model over 100 epochs for Fold 1. The x-axis is 'Epoch' (0 to 100) and the y-axis is 'Loss' (0.00 to 0.20). Three lines are plotted: train_loss (blue), val_loss (orange), and test_loss (green). All three curves start at high loss values (train_loss ~0.22, val_loss ~0.13, test_loss ~0.13) and decrease rapidly, reaching a plateau around epoch 20. train_loss drops to near 0.00, val_loss drops to approximately 0.02, and test_loss drops to approximately 0.03.</p>
2	 <p>This plot shows the accuracy of the model over 100 epochs for Fold 2. The x-axis is 'Epoch' (0 to 100) and the y-axis is 'Accuracy' (75 to 100). Three lines are plotted: train_acc (blue), val_acc (orange), and test_acc (green). All three curves start at approximately 75% accuracy at epoch 0. They all rise sharply, reaching a plateau around epoch 20. train_acc reaches nearly 100%, val_acc reaches approximately 98%, and test_acc reaches approximately 97%.</p>	 <p>This plot shows the loss of the model over 100 epochs for Fold 2. The x-axis is 'Epoch' (0 to 100) and the y-axis is 'Loss' (0.000 to 0.175). Three lines are plotted: train_loss (blue), val_loss (orange), and test_loss (green). All three curves start at high loss values (train_loss ~0.17, val_loss ~0.13, test_loss ~0.13) and decrease rapidly, reaching a plateau around epoch 20. train_loss drops to near 0.00, val_loss drops to approximately 0.01, and test_loss drops to approximately 0.02.</p>
3	 <p>This plot shows the accuracy of the model over 100 epochs for Fold 3. The x-axis is 'Epoch' (0 to 100) and the y-axis is 'Accuracy' (75 to 100). Three lines are plotted: train_acc (blue), val_acc (orange), and test_acc (green). All three curves start at approximately 75% accuracy at epoch 0. They all rise sharply, reaching a plateau around epoch 20. train_acc reaches nearly 100%, val_acc reaches approximately 98%, and test_acc reaches approximately 93%.</p>	 <p>This plot shows the loss of the model over 100 epochs for Fold 3. The x-axis is 'Epoch' (0 to 100) and the y-axis is 'Loss' (0.00 to 0.16). Three lines are plotted: train_loss (blue), val_loss (orange), and test_loss (green). All three curves start at high loss values (train_loss ~0.16, val_loss ~0.13, test_loss ~0.13) and decrease rapidly, reaching a plateau around epoch 20. train_loss drops to near 0.00, val_loss drops to approximately 0.01, and test_loss drops to approximately 0.06.</p>

4



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The confusion matrix of Self-ResAttentionNet18_Q3 model is given in Figure 9.

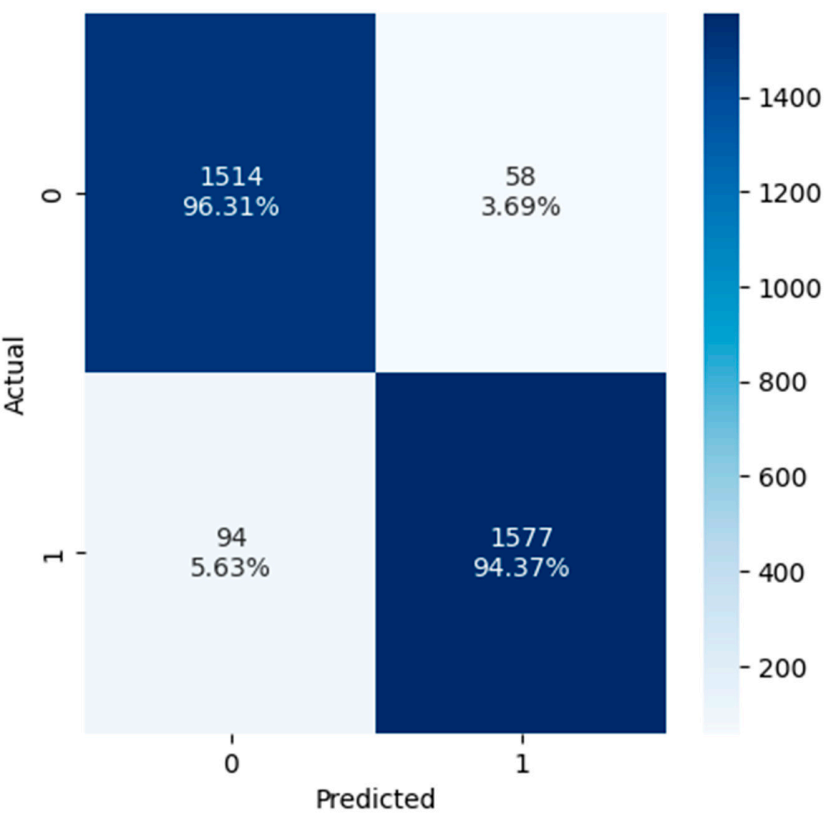


Figure S9: Confusion matrix of Self-ResAttentionNet18_Q3 model

The ROC curve of Self-ResAttentionNet18_Q3 model is given in Figure 10 below.

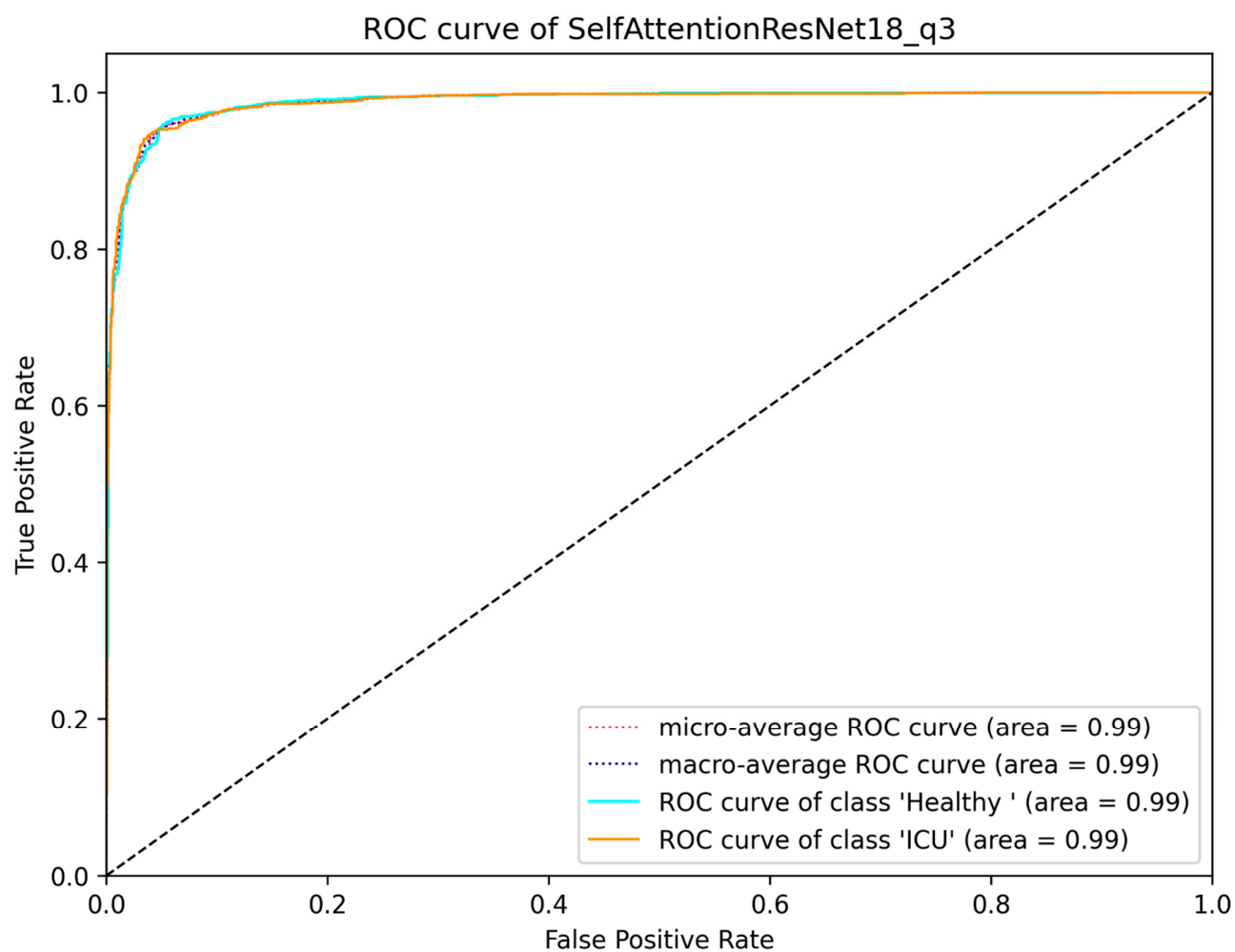
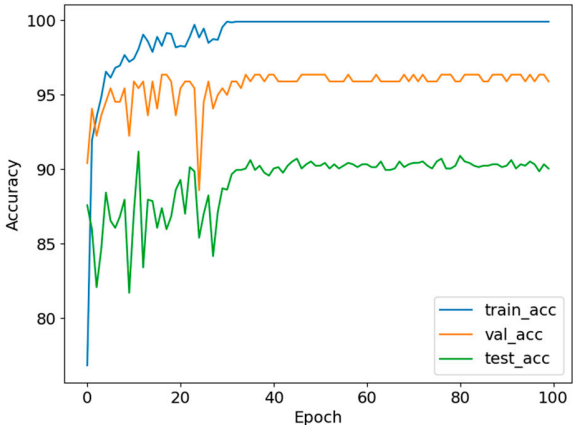
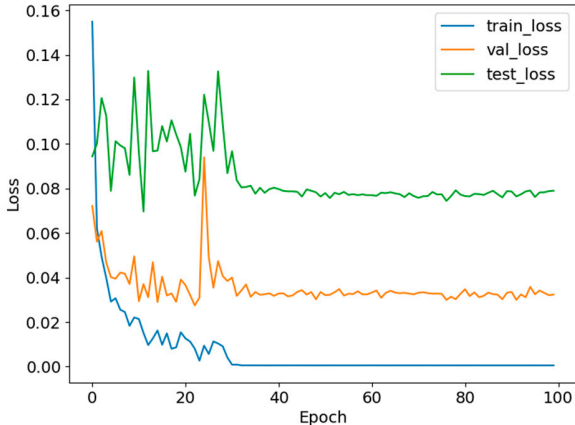
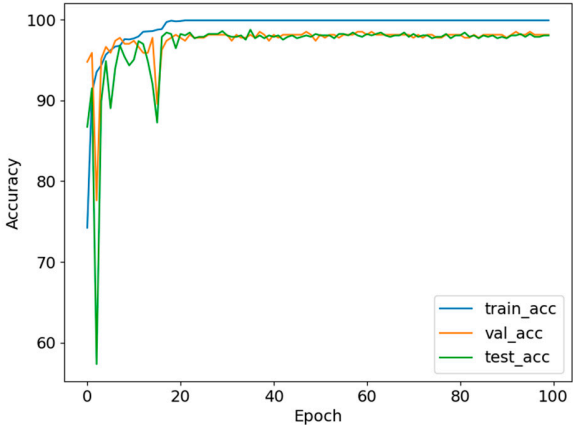
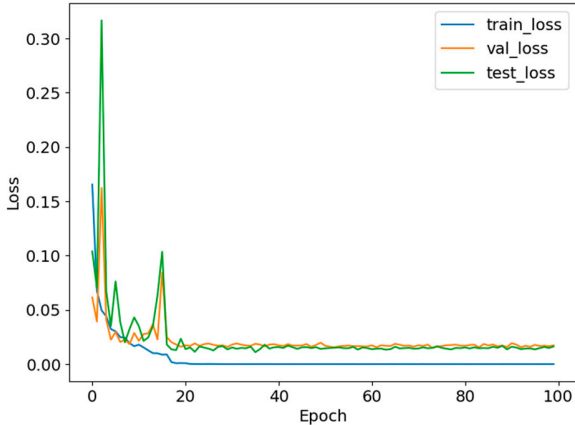
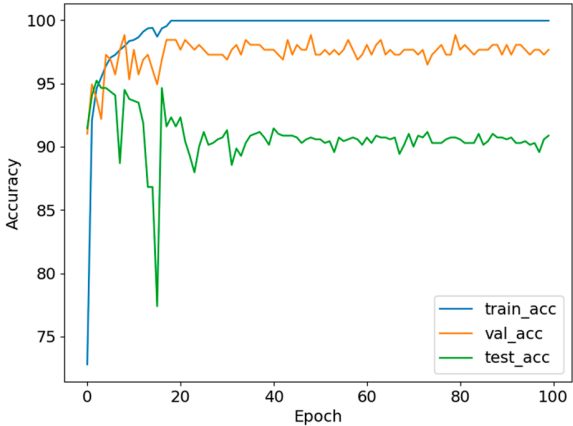
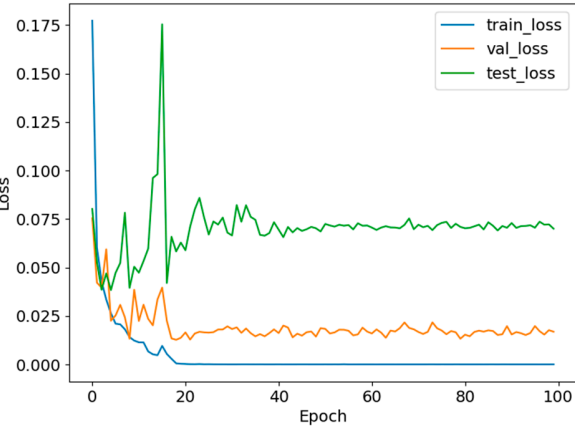


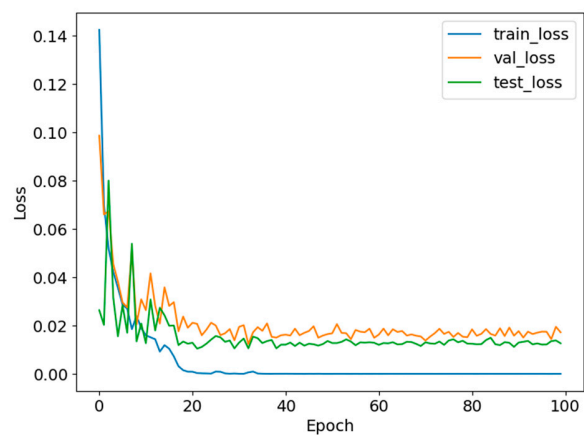
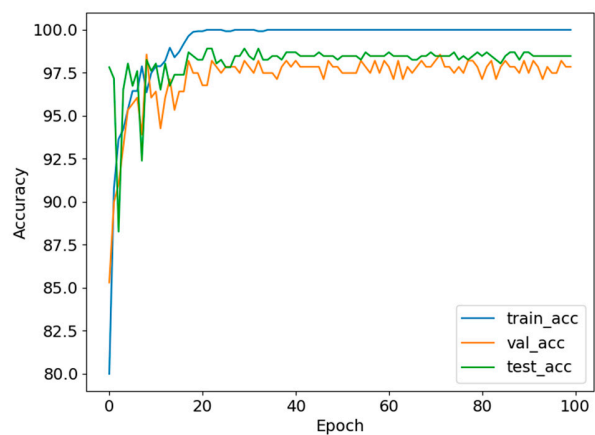
Figure S10: ROC curve of Self-ResAttentionNet18_Q3 model

Self-ResAttentionNet18_Q5 Model

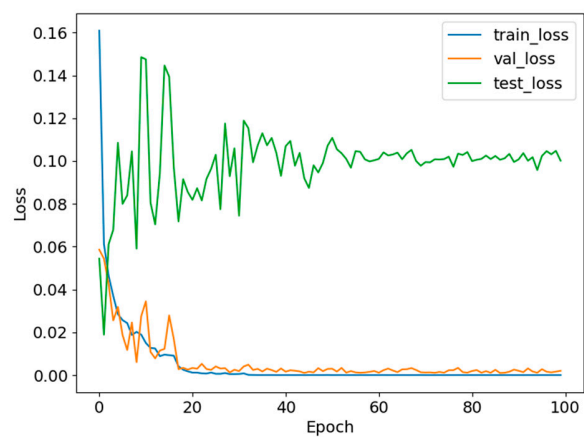
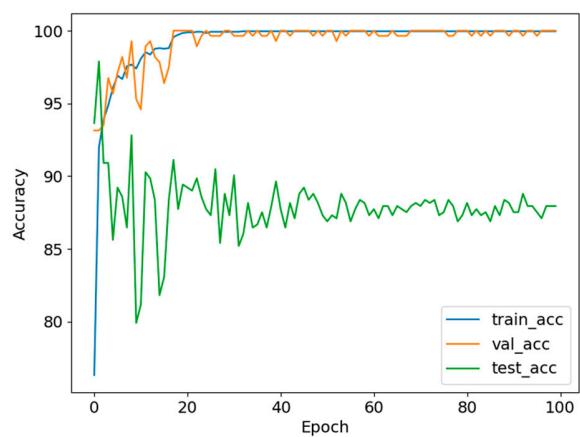
Table S6: Fold-wise learning curves of the Self-ResAttentionNet18_Q5 model

Fold	Accuracy Curve	Loss Curve
1		
2		
3		

4



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The confusion matrix of Self-ResAttentionNet18_Q5 model is given in Figure 11.

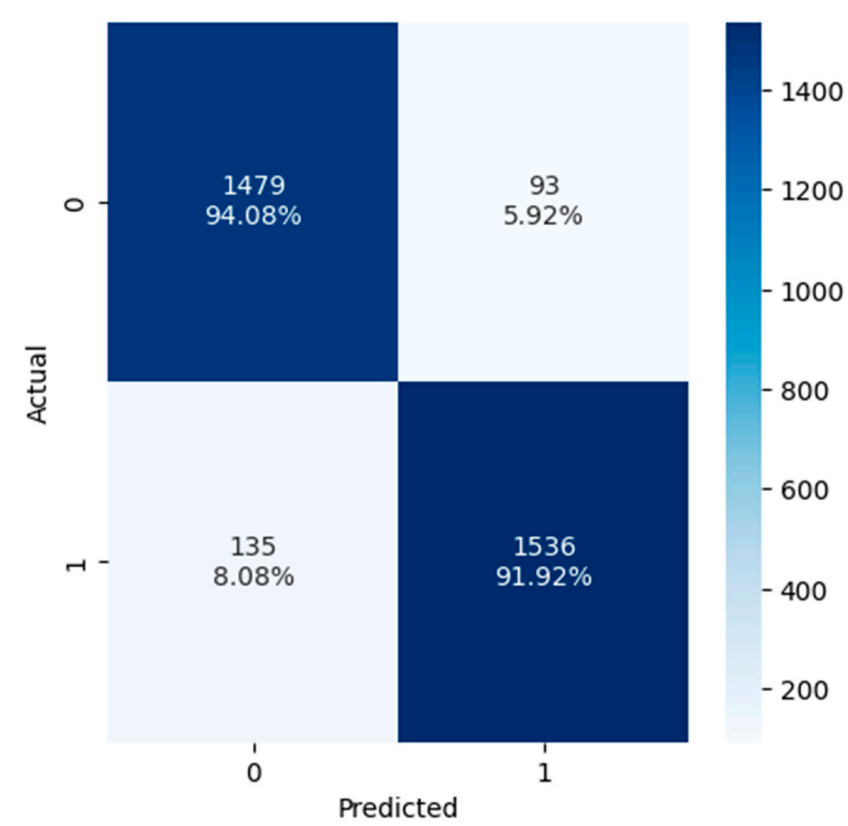


Figure S11: Confusion matrix of Self-ResAttentionNet18_Q5 model

The ROC curve of Self-ResAttentionNet18_Q5 model is given in Figure 12 below.

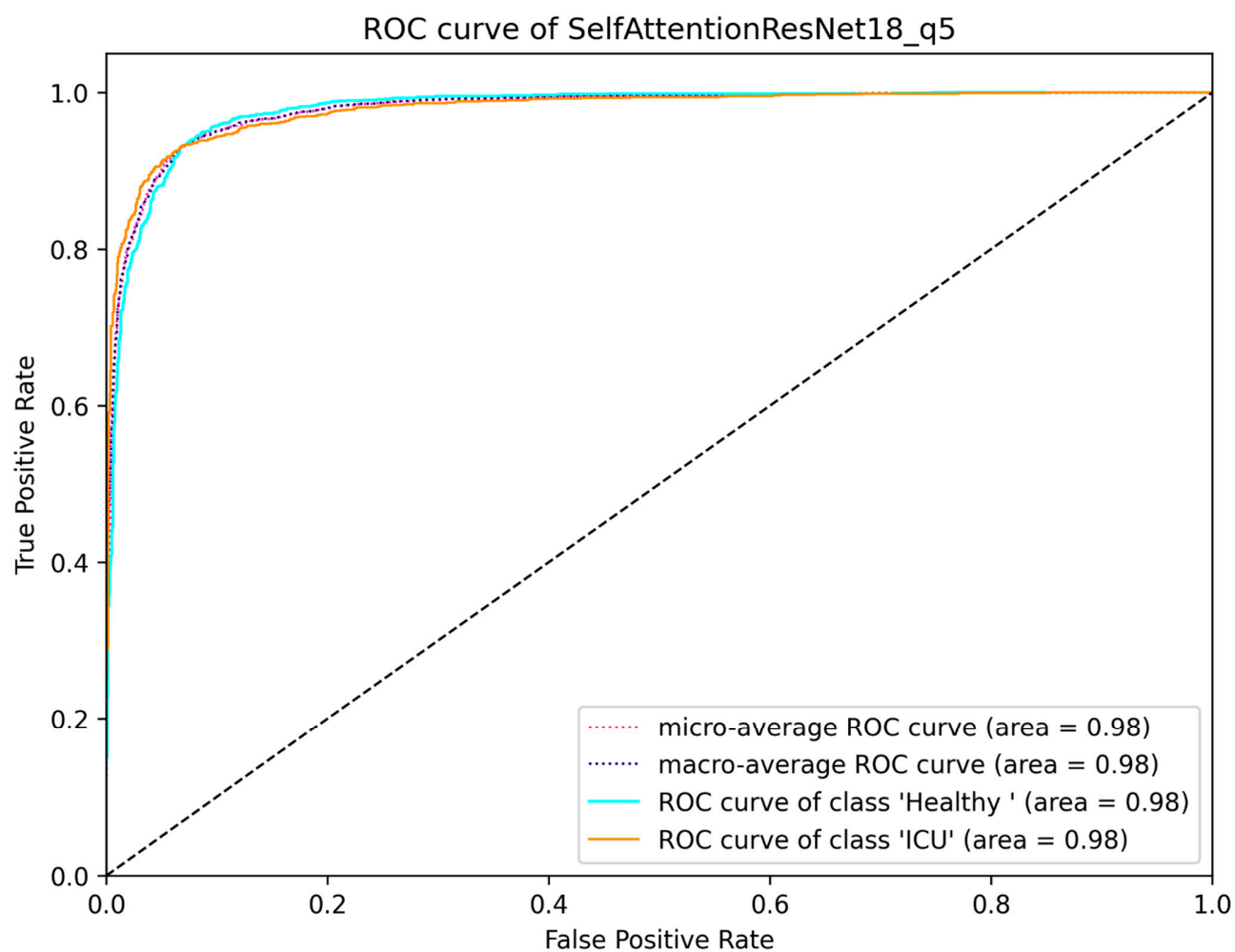


Figure S12: ROC curve of Self-ResAttentionNet18_Q5 model