# Supplementary Materials

Fig.S1 Feature selection results of using the statistically significant features with SVM-RFE approach in the training set: (A) 20 optimal features selected using the DFC-based features with statistical significance; (B) six optimal features selected using the SFC-based features with statistical significance; (C) 13 optimal features selected using both the DFC- and SFC-based features with statistical significance.

**(A)**

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**(B)**

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**(C)**

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Fig. S2 the ROC curves of using the optimal models with the testing set



Figure S3 Feature selection results of using the statistically significant features with SVM-RFE approach in the training set: (A) 12 optimal features selected using the DFC-based features with statistical significance; (B) five optimal features selected using the SFC-based features with statistical significance; (C) 14 optimal features selected using both the DFC- and SFC-based features with statistical significance.

 **(A)**

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**(B)**

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**(C)**



Fig. S4 the ROC curves of using the optimal models with the testing set

